Club Car®

2005-2006
Precedent Golf Car
Illustrated Parts List



Gasoline and Electric Vehicles

Manual Number 102680301
Edition Code 0406P1010N

USING THE ILLUSTRATED PARTS LIST

⚠ WARNING

- **This manual is to be used only for identification and ordering of service parts. Be sure to read and use the maintenance and service manual before attempting any vehicle repairs.**

This manual covers all 2005 and 2006 Club Car® Precedent® Professional and Champion vehicles.

The manual is divided into 17 sections. Sections 1 through 5 pertain to both gasoline and electric vehicles, sections 6 through 12 pertain to gasoline vehicles only, sections 13 through 16 pertain to electric vehicles only, and section 17 pertains to tools that are used on all Club Car products. Note that there are two or three flags on the outside edge of each page. The first flag contains the section number of which that page is a part. The other flag (or flags) contains either the letter G or E, signifying that the page pertains to either the gasoline or electric vehicle only, or to both the gasoline and electric vehicles.

Use the Table of Contents to find the sections and pages that contain the parts and assemblies you seek. The Table of Contents lists section numbers, and under them, the individual page titles and numbers to be found in that section. The index can be used to find specific parts and assemblies. The index is divided into numerical and alphabetical listings with the page numbers in italic text.

There is a two-page spread for each individual page title in the Table of Contents. On the left-hand page is an illustration showing the parts in their relative positions; the parts are each tagged with an item number in a balloon. The right-hand page is the parts list page, and gives the page title at the top, then the item numbers (corresponding to the numbers on the illustration), part descriptions, and quantity of parts used. Some item numbers have more than one part number because several configurations of a component are represented together on one spread.

Note that a part description may be indented. This indention corresponds to a parts assembly level indicated by the numbers 1, 2, 3, and 4 at the top left corner of the parts description area of the parts list page. A part that is indented to *level 2* is a component of the *level 1* part (assembly) that it is listed under. A *level 3* part is a component of the *level 2* part that it is listed under, and a *level 4* part is a component of the *level 3* part preceding it. In each case, the part quantity given for a level 2, 3, or 4 part *is the quantity used per next higher level assembly of which it is a component.* A part that is not indented is a *level 1* part. This means that the quantity given is the quantity used per the portion of the vehicle illustrated on that particular spread.

HOW TO ORDER PARTS

Replacement parts and accessories can be obtained from our network of authorized dealers and distributors. You can obtain the name and phone number of your closest authorized Club Car dealer or distributor by visiting our web site at www.clubcar.com and clicking on the "*Distributor Search*" link or by calling our toll-free Service Parts and Technical Assistance hotline at (800) 872-2246 or (706) 863-3000, extension 3887.

Club Car®

P. O. Box 204658
Augusta, Georgia 30917-4658 USA
Telephone 706-863-3000
Service Parts Fax 706-855-7413
www.clubcar.com

NOTE: *This illustrated parts list represents the most current information at the time of publication. Club Car, Inc. is continually working to further improve its vehicles and other products. These improvements may affect the parts used to service the vehicle. Any modification and/or significant change in specifications will be forwarded to all Club Car and Carryall distributors/dealers and will, when applicable, appear in future editions of this illustrated parts list.*

Club Car, Inc. reserves the right to change specifications and designs at any time without notice and without the obligation of making changes to units previously sold.

This manual effective July 26, 2004.

2005-2006 Precedent Golf Cars Illustrated Parts List

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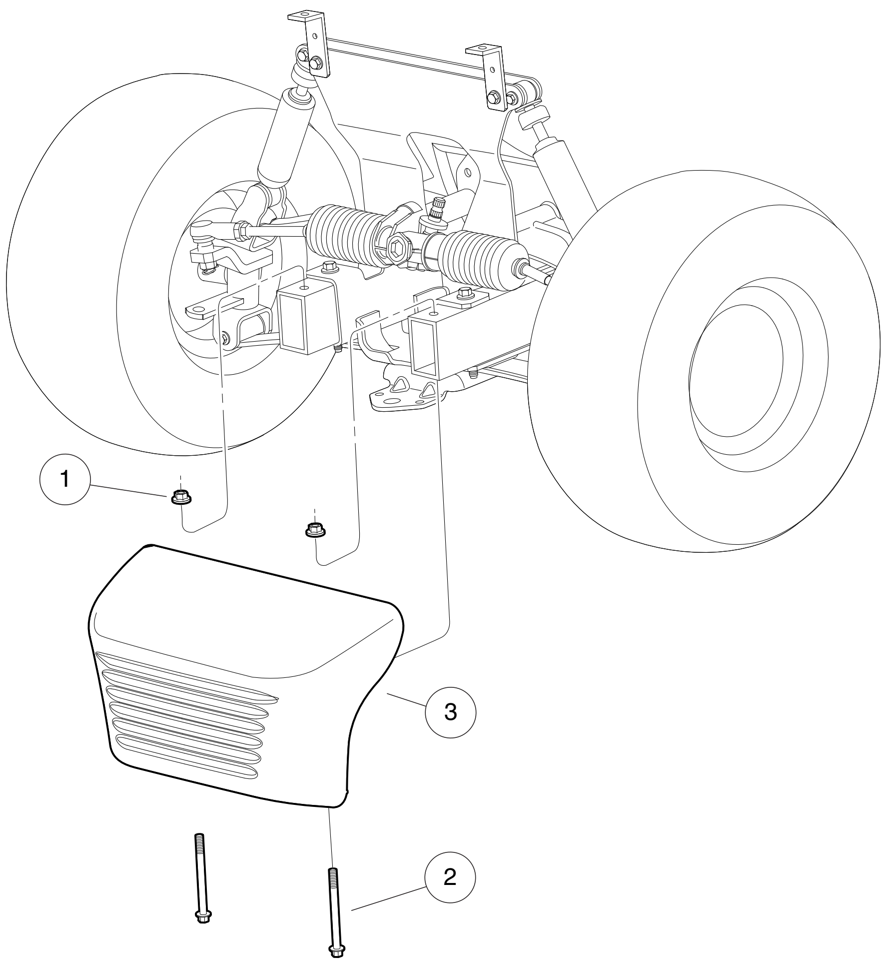
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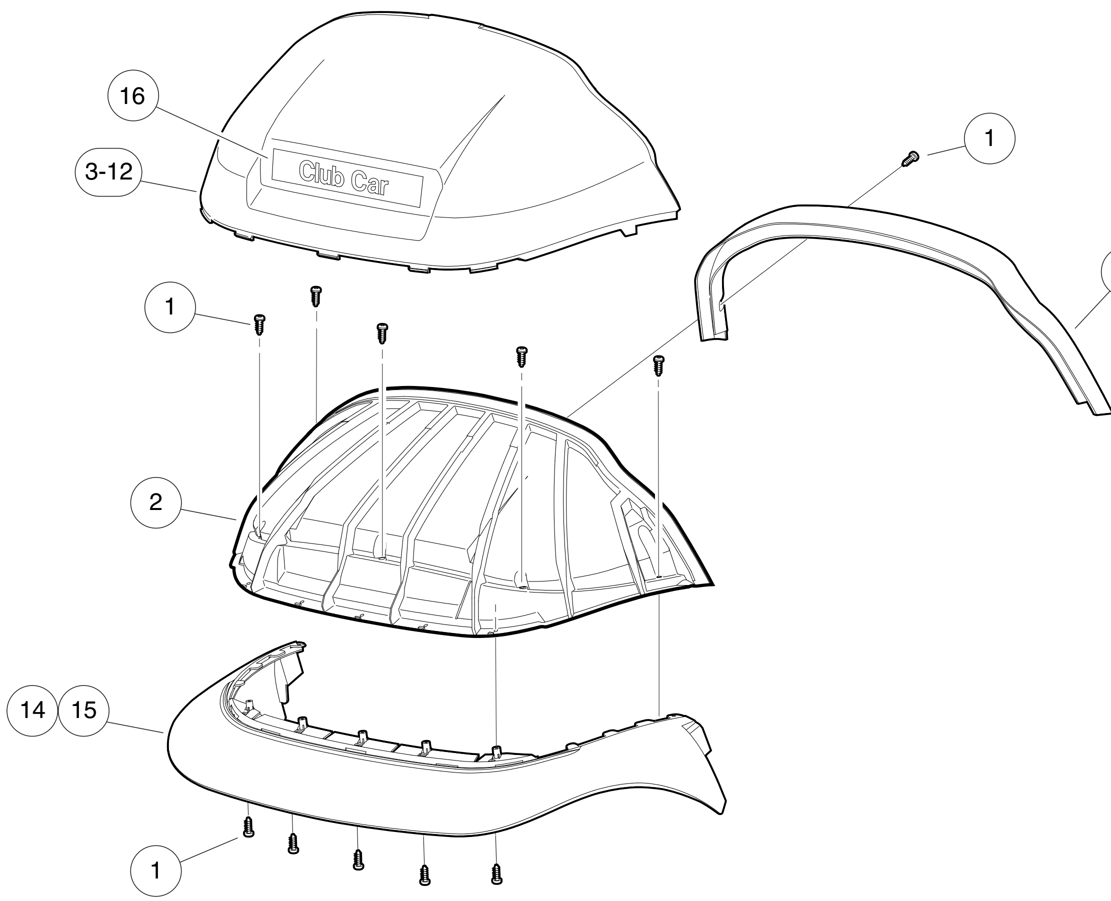
BODY AND TRIM



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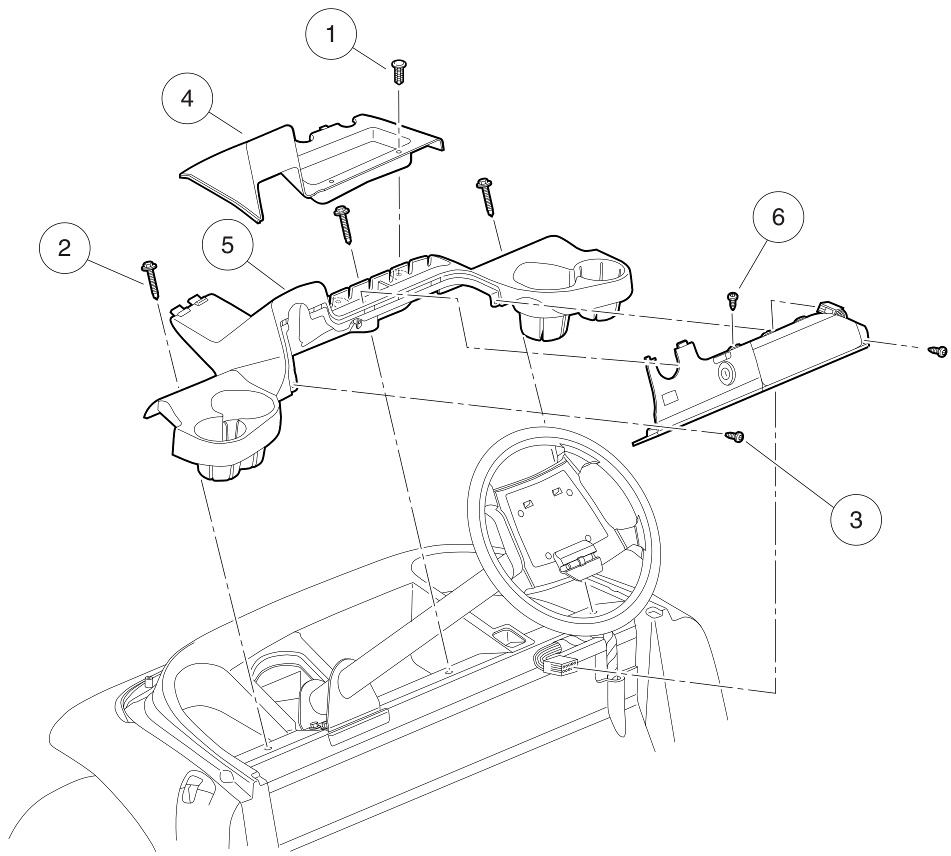
FRONT BUMPER

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	102298401	Nut,m8,all Metal Lock	2
2	102534201	Bolt - Fl Hd, M8 X 95	2
3	103330601	Asm, Bumper, Front, Precedent	1



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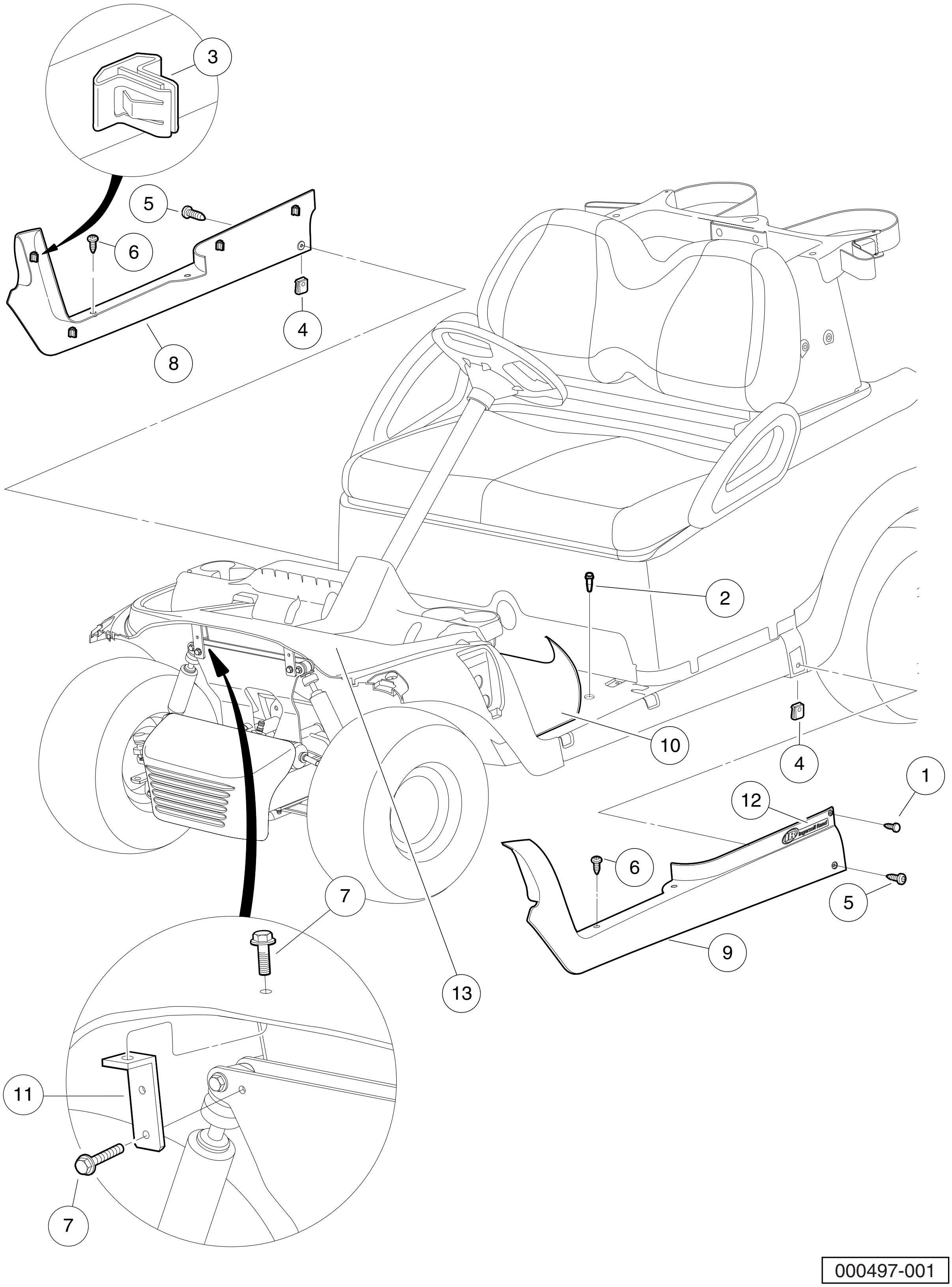
ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	102296020	Screw, Torx Pan Hd Pt, M6 X 20	14
2	102501501	Brow	1
3	102502401	Panel, Beauty Front, White	1
4	102502402	Panel, Beauty Front, Beige	1
5	102502404	Panel, Beauty Front, Gray	1
6	102502405	Panel, Beauty Front, Red	1
7	102502406	Panel, Beauty Front, Burgundy	1
8	102502407	Panel, Beauty Front, Green	1
9	102502408	Panel, Beauty Front, Blue	1
10	102502409	Panel, Beauty Front, Black	1
11	102502411	Panel, Beauty, Front, Cayenne	1
12	102502413	Panel-beauty Front, Atlantic	A/R
13	102502501	Brow Cap	1
14	102534403	Fascia, Grey	1
15	102534404	Fascia, Blk	1
16	103816601	Nameplate -cc	1


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DASH – STYLE A

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1010434	Barrel - Plastic	2
2	102292356	Screw-1/4-20x56 Hwh Self Drill	3
3	102296819	Screw-m6 X 19-pnhd Ab	2
4	102380401	Dash, Tray	1
5	102523101	Dash Assembly	1
6	102557201	Screw, #6-20 Type Abx1.oo Pan	1

Note: Dash-style A should be used with front underbody-style A only. Underbody-style A is no longer available as a service part. If underbody needs to be replaced as well, order underbody-style B and dash-style B.


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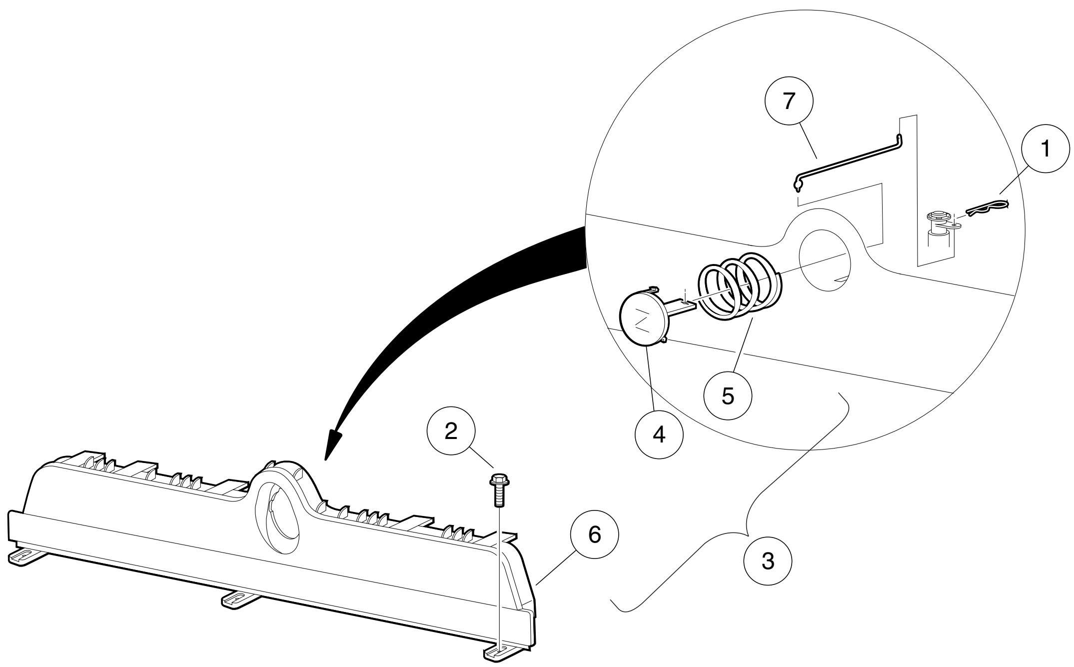
FLOOR MAT, RETAINER, AND FRONT UNDERBODY – STYLE B

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ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1010434	Barrel - Plastic	2
2	102292356	Screw-1/4-20x56 Hwh Self Drill	3
3	102292701	Clip-body-trim	8
4	102296601	U-nut, M6-1.0 Prev Torque	2
5	102296920	Screw, M6 Torx Bttn Hd Sems	2
6	102298020	Screw, K80x20, Torx Pn Hd Pt	4
7	102298716	M8-1.25x16 Taptite	4
8	102302504	Retainer Asm-floormat Rh, Blk	1
9	102302604	Retainer Asm-floormat Lh, Blk	1
10	102504802	Floormat, Precedent	1
11	102521901	Bracket-clamshell	2
12	102523901	Decal, IR/Club Car	2
13	****	Asm-front Underbody, Black	1

**** Special order item available upon request.

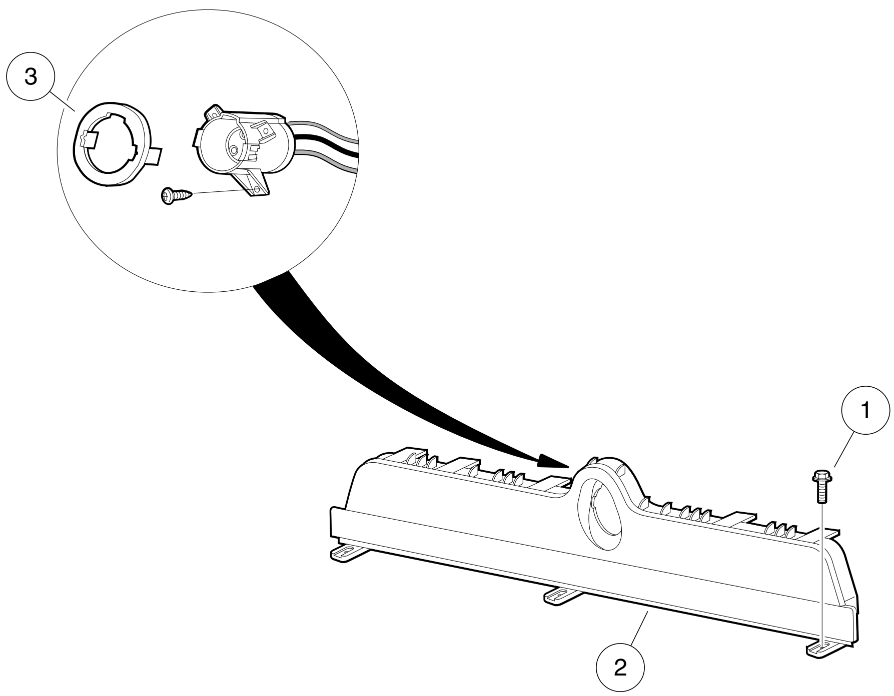
Note: Underbody-style B should be used with dash-style B only.



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KICK PLATE – GASOLINE VEHICLE

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1014413	Pin, Hair Spring Cotter	1
2	102298030	Screw, K80x30, Torx Pn Hd Pt	3
3	102511702	Asm-gas Kick Plate, Blk (includes items 4 through 6)	1
4	101811401	Lever, Choke	1
5	101856201	Compression Spring	1
6	N/A	Plate - Gas Kick, Blk	1
7	102514401	Rod, Choke Button	1

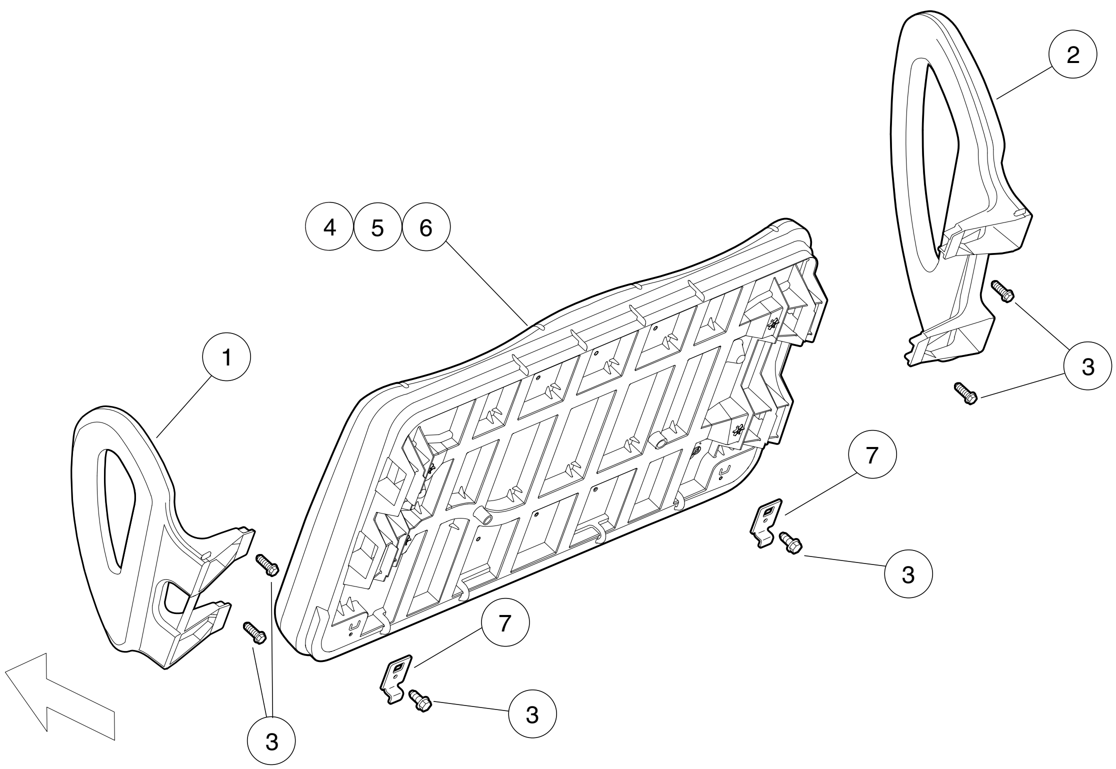


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KICK PLATE – ELECTRIC VEHICLE

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	102298030	Screw, K80x30, Torx Pn Hd Pt	3
2	102508202	Plate - Electric Kick Blk	1
3	102516901	Socket Trim	1

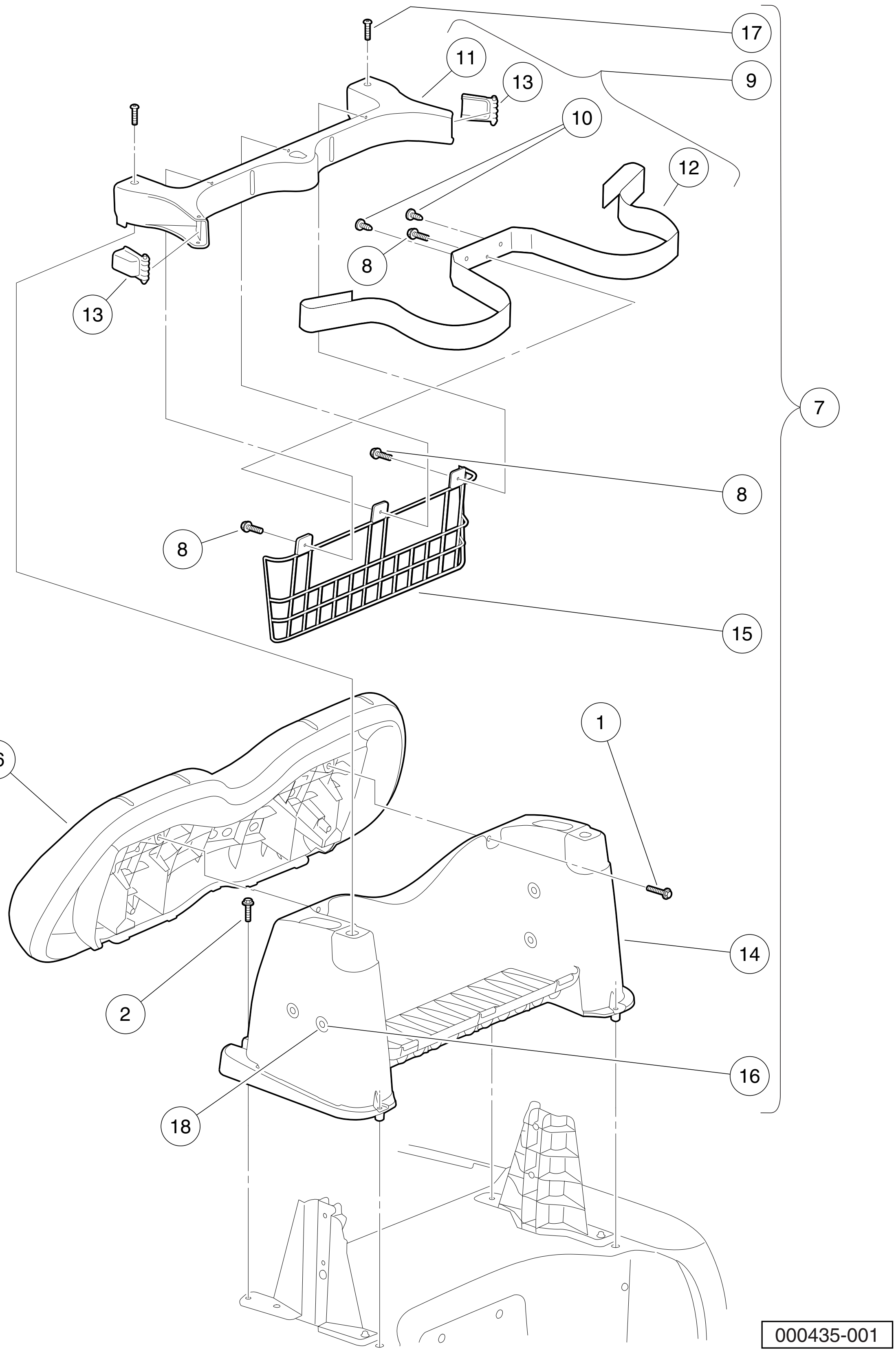
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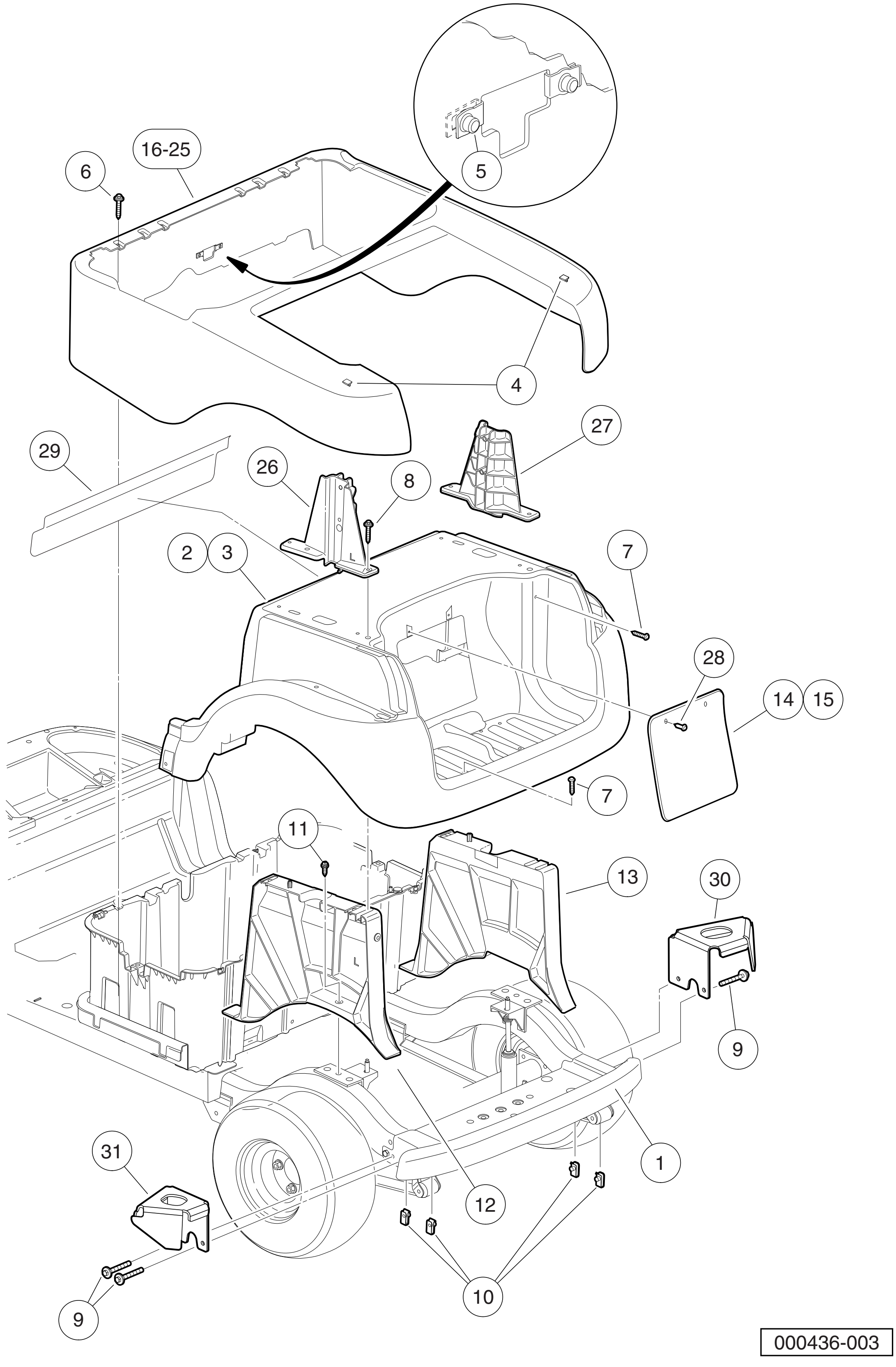
SEAT WITH HIP RESTRAINTS

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	102562701	Hip Restraint, Prec, Lh	1
2	102562801	Hip Restraint, Prec, Rh	1
3	102562901	Screw, Seat Bottom Prec	6
4	103423001	Seat Bottom Asy, Prec-beige	1
5	103423002	Seat Bottom Asy, Prec-white	1
6	103423004	Seat Bottom Asy, Prec-gray	1
7	103447901	Bracket, Hinge, Male, Prec	2


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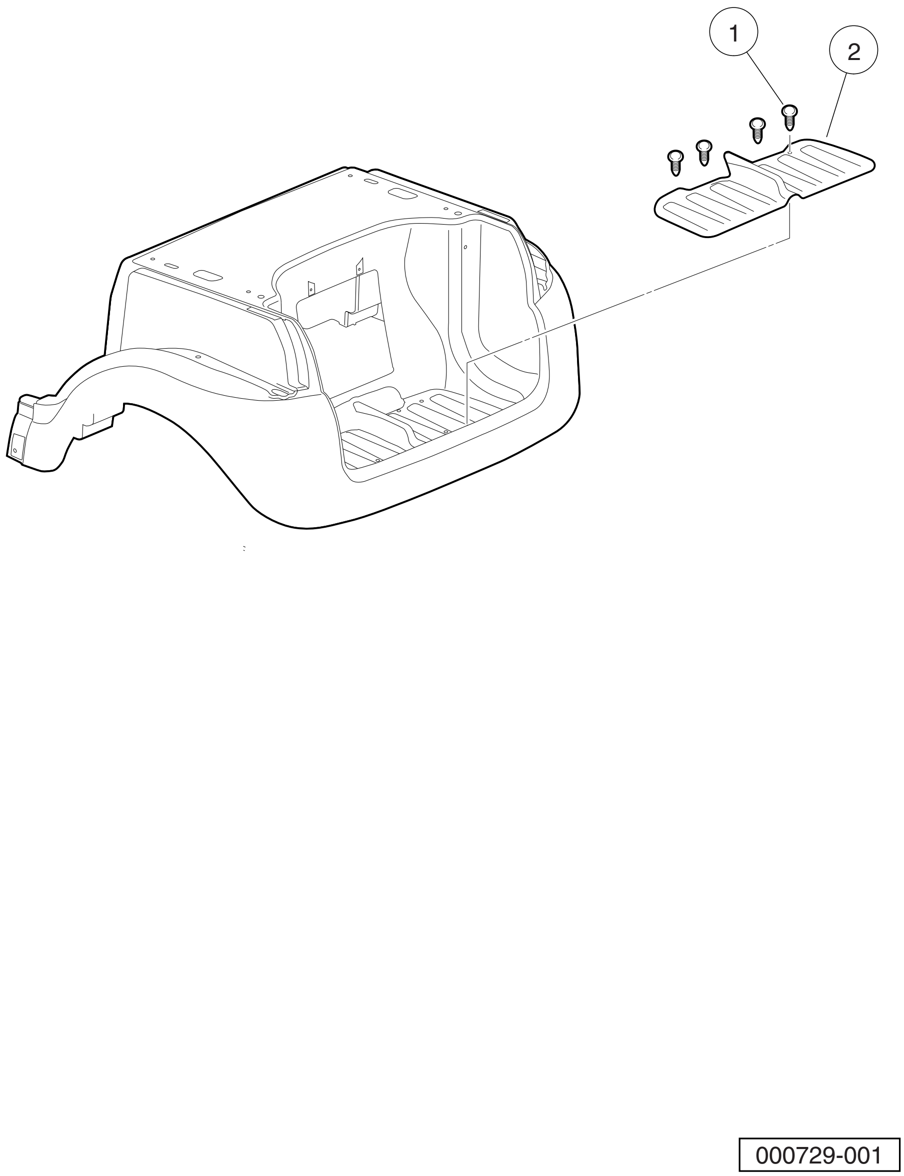
BACKREST AND STRUCTURAL ACCESSORY MODULE (SAM)

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	102296530	Screw - M6 X 1.0 X 30 Sems	2
2	102298240	Bolt, Flange Head, M8-1.25 X 40	4
3	102503221	Service Backrest Asm, Beige	1
4	102503222	Service Backrest Asm, White	1
5	102503224	Service Backrest Asm, Gray	1
6	102503225	Service Backrest Asm-black	1
7	102503901	Asm-sam (includes items 8 through 17)	1
8	102297125	Screw M6-1.0x25.4 Thd Fm Sems	3
9	102504001	Asm-bag Hoop (includes items 10 through 13)	1
10	1010434	Barrel - Plastic	2
11	102504201	Hoop-bag	1
12	102504301	Strap, Bag	1
13	102517001	Buckle-bag Strap	2
14	N/A	Structural Accessory Module	1
15	102504501	Panel, SAM	1
16	102551701	Insert M6x1.0	4
17	103327601	Screw, 5/16, Torx, Bosscrew	2
18	102568701	Barrel - Plastic 6mm	8


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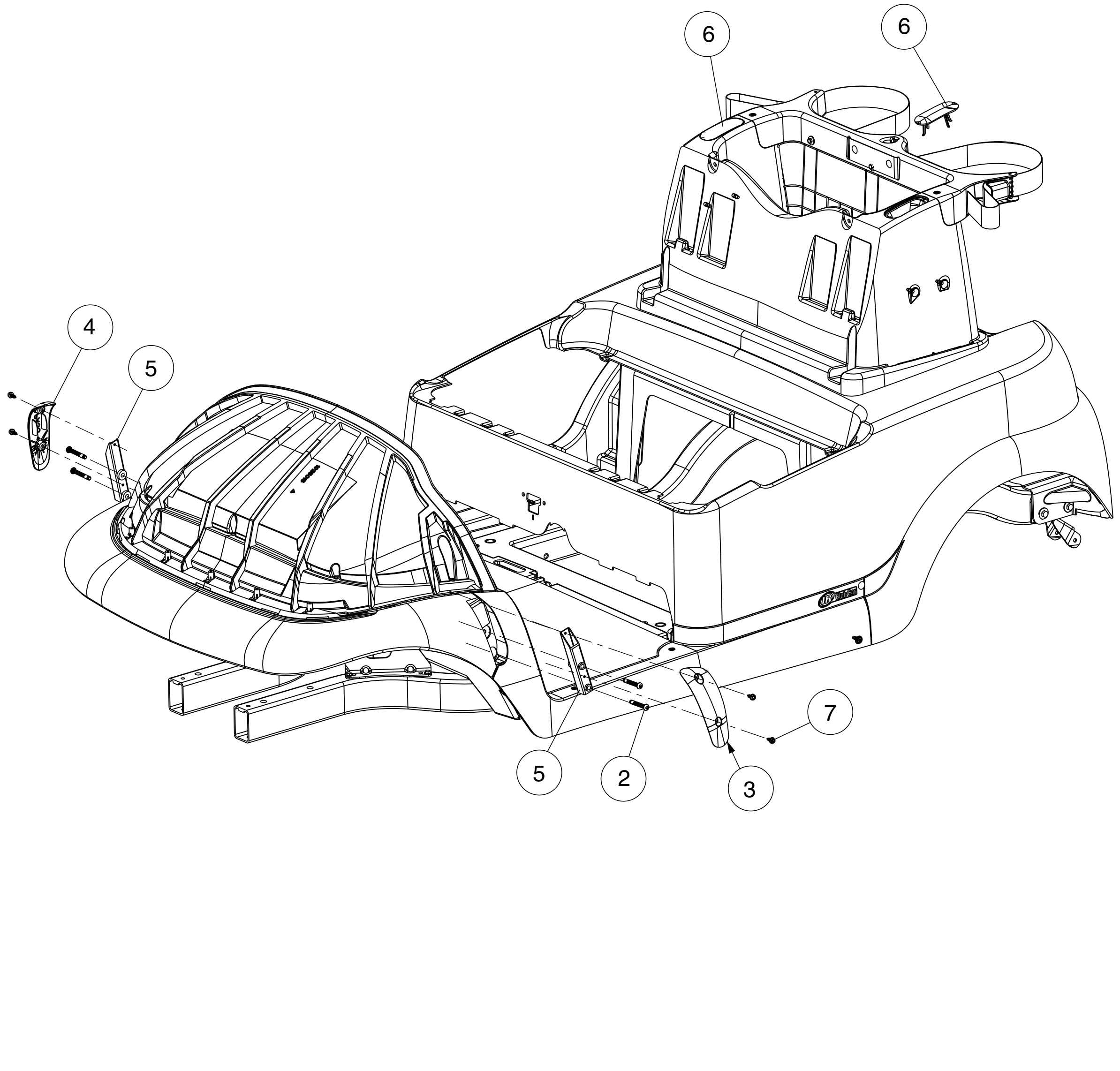
REAR BODY

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	102279001	Rear Bumper Beam	1
2	102279103	Underbody - Rear, Grey	1
3	102279104	Underbody - Rear, Blk	1
4	102292701	Clip-body-trim	2
5	102296601	U-nut, M6-1.0 Prev Torque	2
6	102297230	Screw,m6,torx,interlock,thread	4
7	102298030	Screw, K80x30, Torx Pn Hd Pt	4
8	102298240	Bolt, Flange Head, M8-1.25 X 40	2
9	102298580	M8-1.25 X 80 Sems	4
10	102298601	J-clip - M8 X 1.25	4
11	102298716	M8-1.25x16 Taptite	2
12	102500501	Asm, Rear U/b Support, Lh	1
13	102500601	Asm, Rear U/b Support, Rh	1
14	102501401	Panel, Access, Gray	1
15	102501402	Panel, Access, Black	1
16	102502301	Panel, Beauty, Rear, White	1
17	102502302	Panel, Beauty, Rear, Beige	1
18	102502304	Panel, Beauty, Rear, Gray	1
19	102502305	Panel, Beauty, Rear, Red	1
20	102502306	Panel, Beauty, Rear, Burgundy	1
21	102502307	Panel, Beauty, Rear, Green	1
22	102502308	Panel, Beauty, Rear, Blue	1
23	102502309	Panel, Beauty, Rear, Black	1
24	102502311	Panel-beauty Rear, Cayenne	1
25	102502313	Panel-beauty Rear, Atlantic	1
26	102502901	Bracket, Canopy Support Left-Hand	1
27	102503001	Bracket, Canopy Support Right-Hand	1
28	102967901	Rivet, Removable, Tuflok 1/4"	2
29	N/A	Diverter, Precedent Water	1
30	103677401	Bracket, Bmpr, Pas	1
31	103677402	Bracket, Bmpr, Drv	1


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BAGWELL LINER

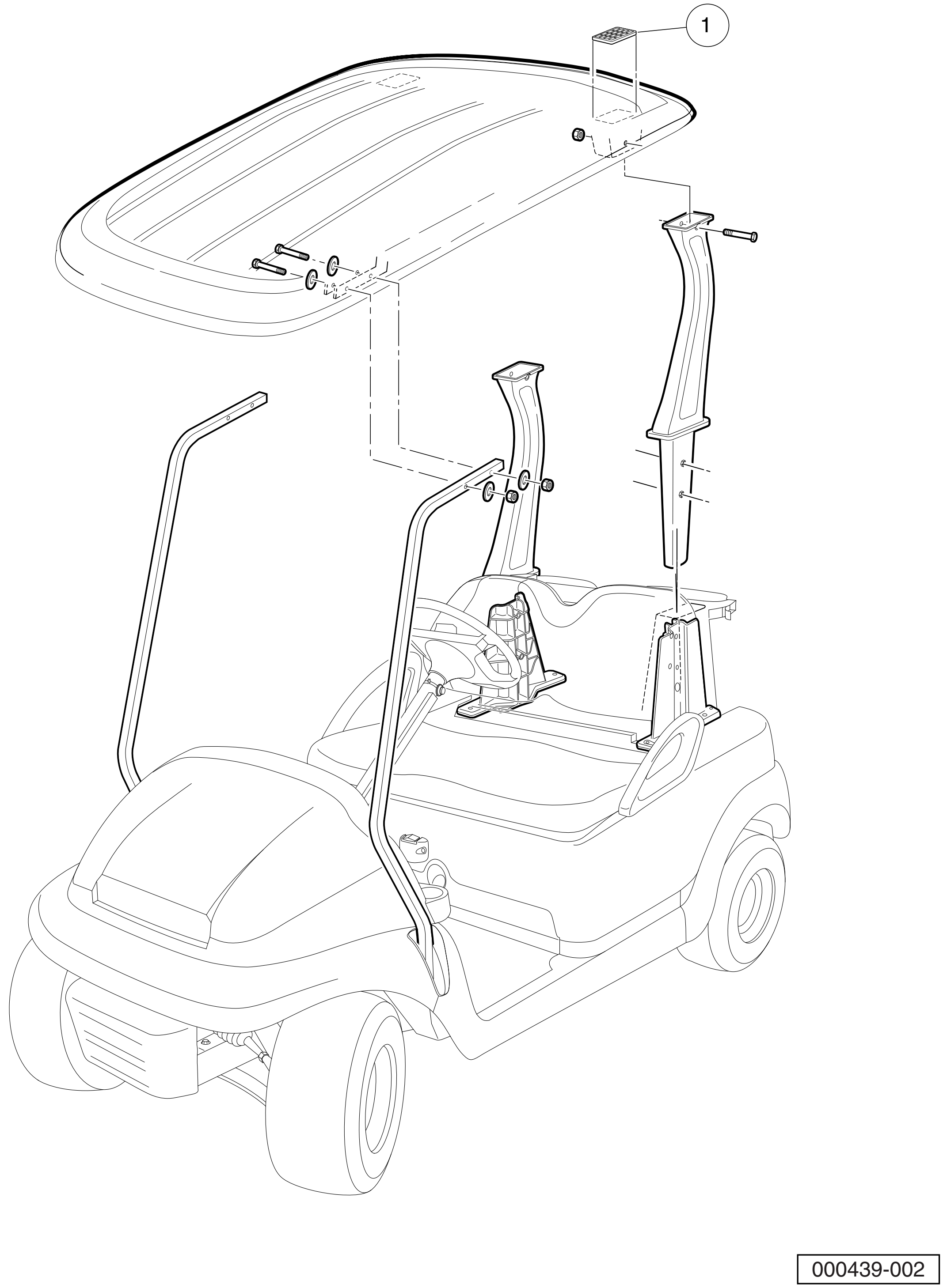
ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1010434	Barrel - Plastic	4
2	102553901	Bagwell Liner	1


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UNDERBODY COVERS (VEHICLE WITHOUT CANOPY)

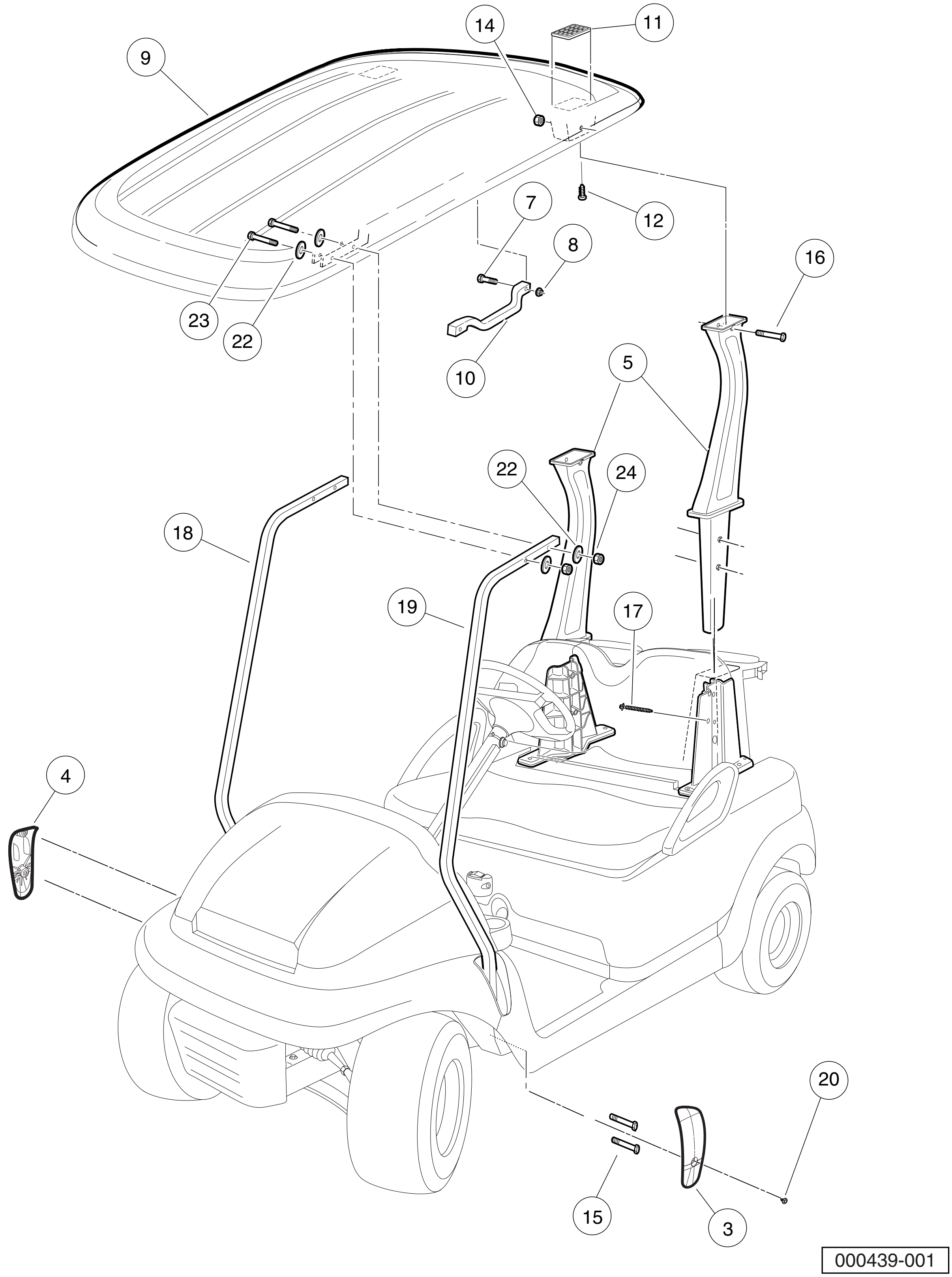
ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	102543902	Kit, Underbody Cover, Black (includes items 2 through 7)	1
2	102299065	M8-1.25 X 65 Tx Bttn Hd Bolt	4
3	102400202	Cover, Lh Non-canopy, Blk	1
4	102400302	Cover, Rh Non-canopy, Blk	1
5	N/A	Support, Strut Cover	2
6	N/A	SAM Cap	2
7	102544201	Screw, M6 Hex	4
		Note: Sub-components contained in item 8 are the same as those shown for item 1, except for the color of the caps and covers.	

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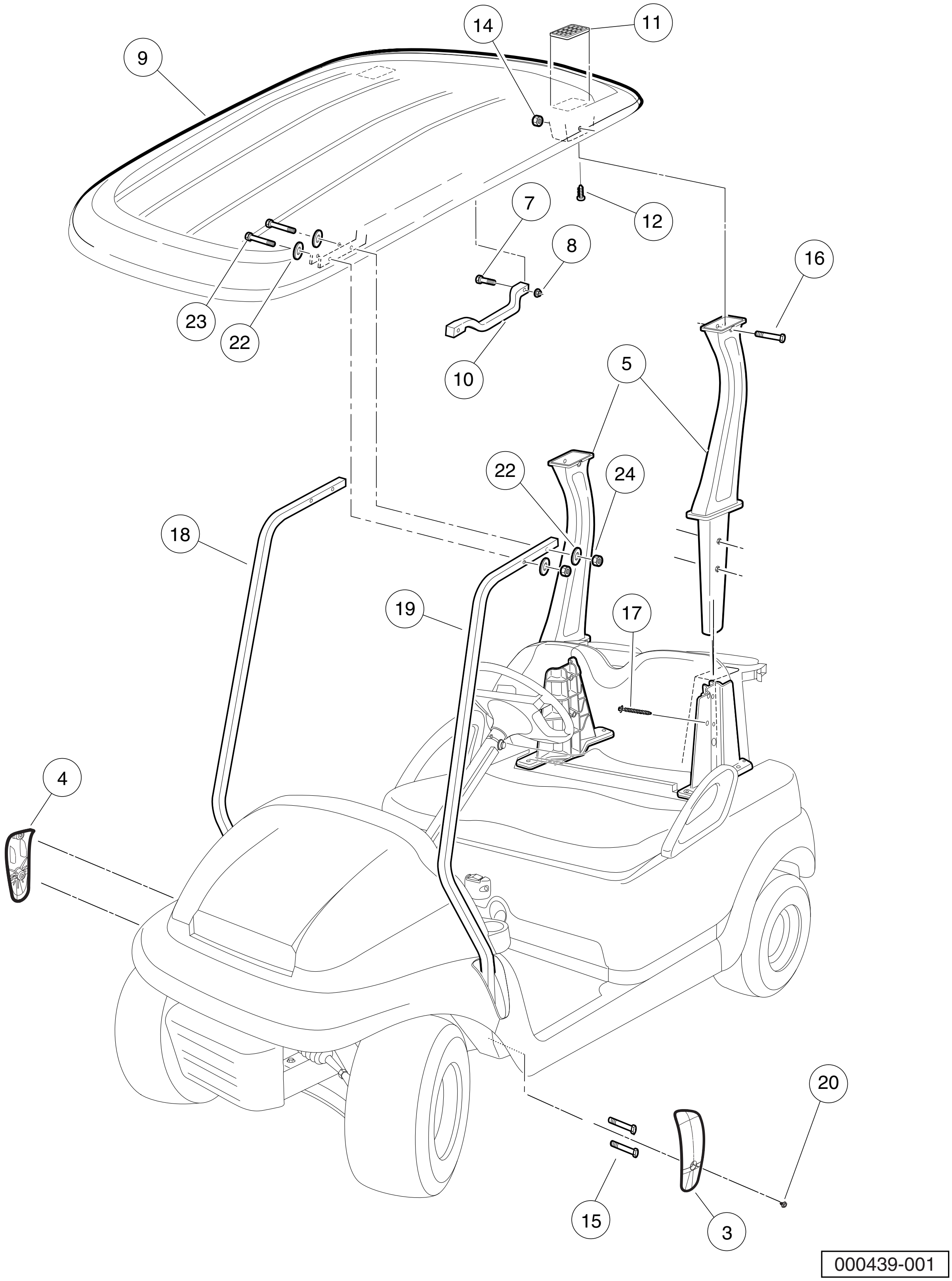
CANOPY SNAP-IN DRAIN COVER

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	102516301	Drain Cover (Snap-In)	2
		Note: For use on canopies produced prior to mid-2007.	

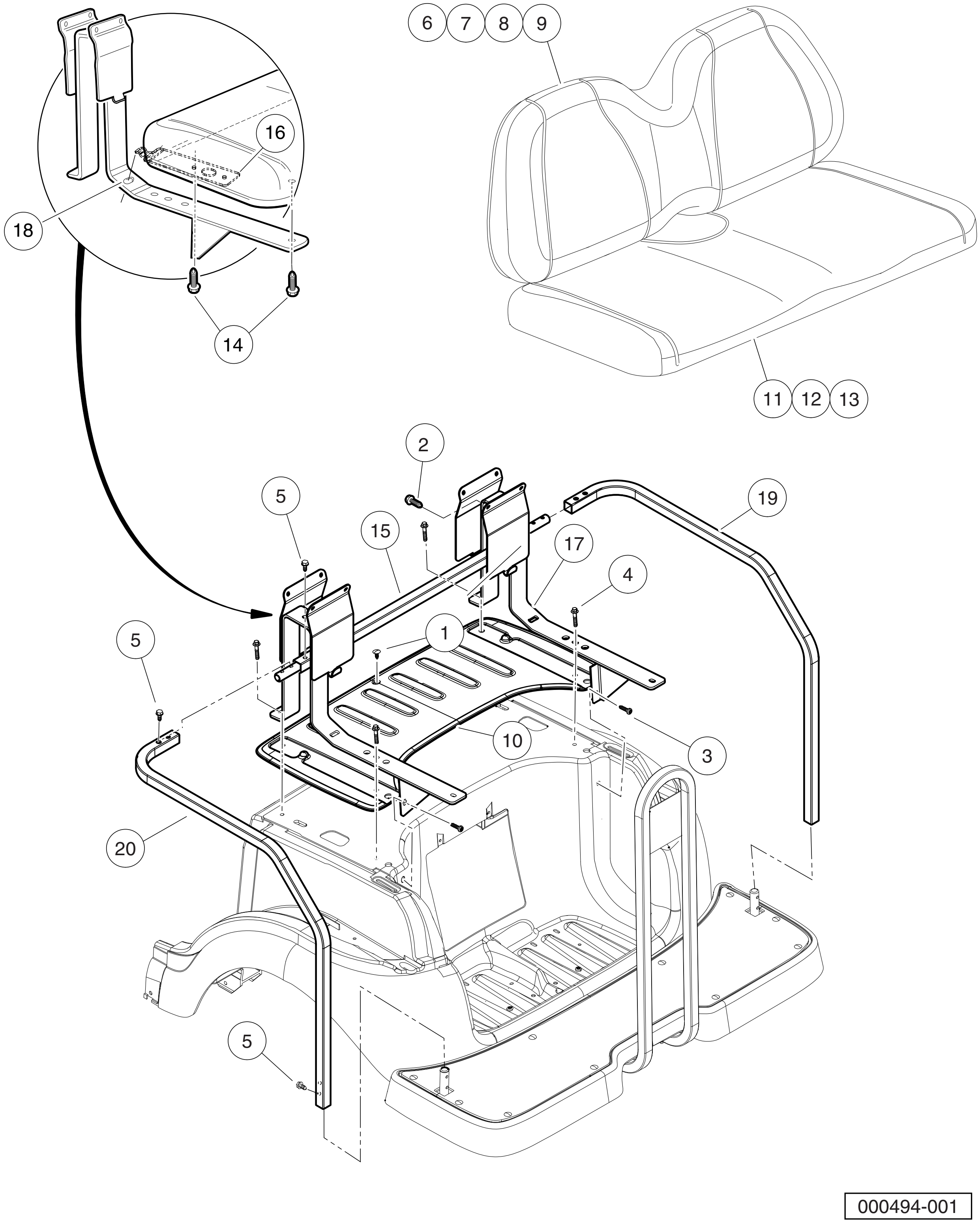

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ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	102520702	Kit-canopy, Prec-beige (includes items 2 through 13)	1
2	N/A	Beige Canopy Component Kit (includes items 3 through 6)	1
3	102400002	Cover, Lh Canopy Support, Blk	1
4	102400102	Cover, Rh Canopy Support, Blk	1
5	102513501	Asm-rear Canopy Support	2
6	N/A	Asm-canopy, Beige (includes items 7 through 12)	1
7	102296140	Bolt, Flanged Head, M6x1.0x40	4
8	102296401	Nut-m6x1.0 Flng All Mtl Lock	4
9	102508902	Canopy-beige	1
10	102511602	Handle, Canopy (Beige)	2
11	103205101	Cover, Drain, Canopy, Precedent	2
12	103210101	Screw, #8 X.75, Torx, Tapping	2
13	N/A	Kit, Hardware, Canopy Strut (includes items 14 through 24)	1
14	102298401	Nut,m8,all Metal Lock	2
15	102299065	M8-1.25 X 65 Tx Bttn Hd Bolt	4
16	102299360	Screw, M8-1.25 X 60, Sems, Tx	2
17	102299601	Screw, Pt, K80x70 Hex Flg Hd	2
18	102512401	Support, Canopy Front, Right-Hand	1
19	102513301	Support, Canopy Front Left-Hand	1
20	102544201	Screw, M6 Hex	2
21	N/A	Instr, Kit, Canopy (prec)	1
22	103196001	Washer, Conical Spring, Canopy	8
23	103199301	Bolt - M6 X 1 X 45 Hh Grey	4
24	103200301	Nut, M6 x 1.00	4

Note: Item 21 not shown.


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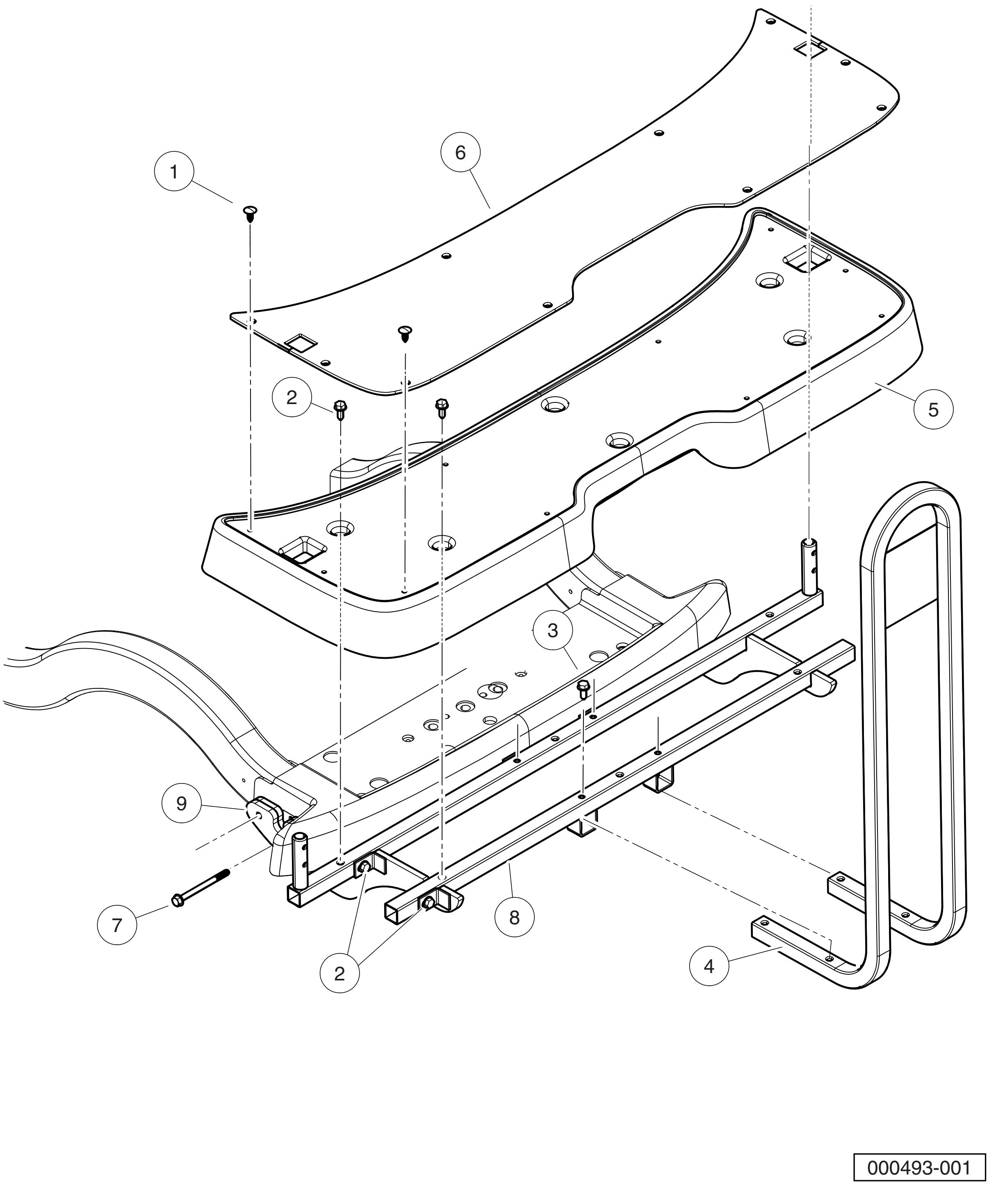
ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	102520701	Kit-canopy, Prec-white (includes items 2 through 13)	1
2	N/A	White Canopy Component Kit (includes items 3 through 6)	1
3	102400002	Cover, Lh Canopy Support, Blk	1
4	102400102	Cover, Rh Canopy Support, Blk	1
5	102513501	Asm-rear Canopy Support	2
6	N/A	Asm-canopy, White (includes items 7 through 12)	1
7	102296140	Bolt, Flanged Head, M6x1.0x40	4
8	102296401	Nut-m6x1.0 Flng All Mtl Lock	4
9	102508901	Canopy-white	1
10	102511601	Handle, Canopy (White)	2
11	103205101	Cover, Drain, Canopy, Precedent	2
12	103210101	Screw, #8 X.75, Torx, Tapping	2
13	N/A	Kit, Hardware, Canopy Strut (includes items 14 through 24)	1
14	102298401	Nut,m8,all Metal Lock	2
15	102299065	M8-1.25 X 65 Tx Bttn Hd Bolt	4
16	102299360	Screw, M8-1.25 X 60, Sems, Tx	2
17	102299601	Screw, Pt, K80x70 Hex Flg Hd	2
18	102512401	Support, Canopy Front, Right-Hand	1
19	102513301	Support, Canopy Front Left-Hand	1
20	102544201	Screw, M6 Hex	2
21	N/A	Instr, Kit, Canopy (prec)	1
22	103196001	Washer, Conical Spring, Canopy	8
23	103199301	Bolt - M6 X 1 X 45 Hh Grey	4
24	103200301	Nut, M6 x 1.00	4
		Note: Item 21 not shown.	


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REAR SEAT – PRECEDENT VILLAGER 4

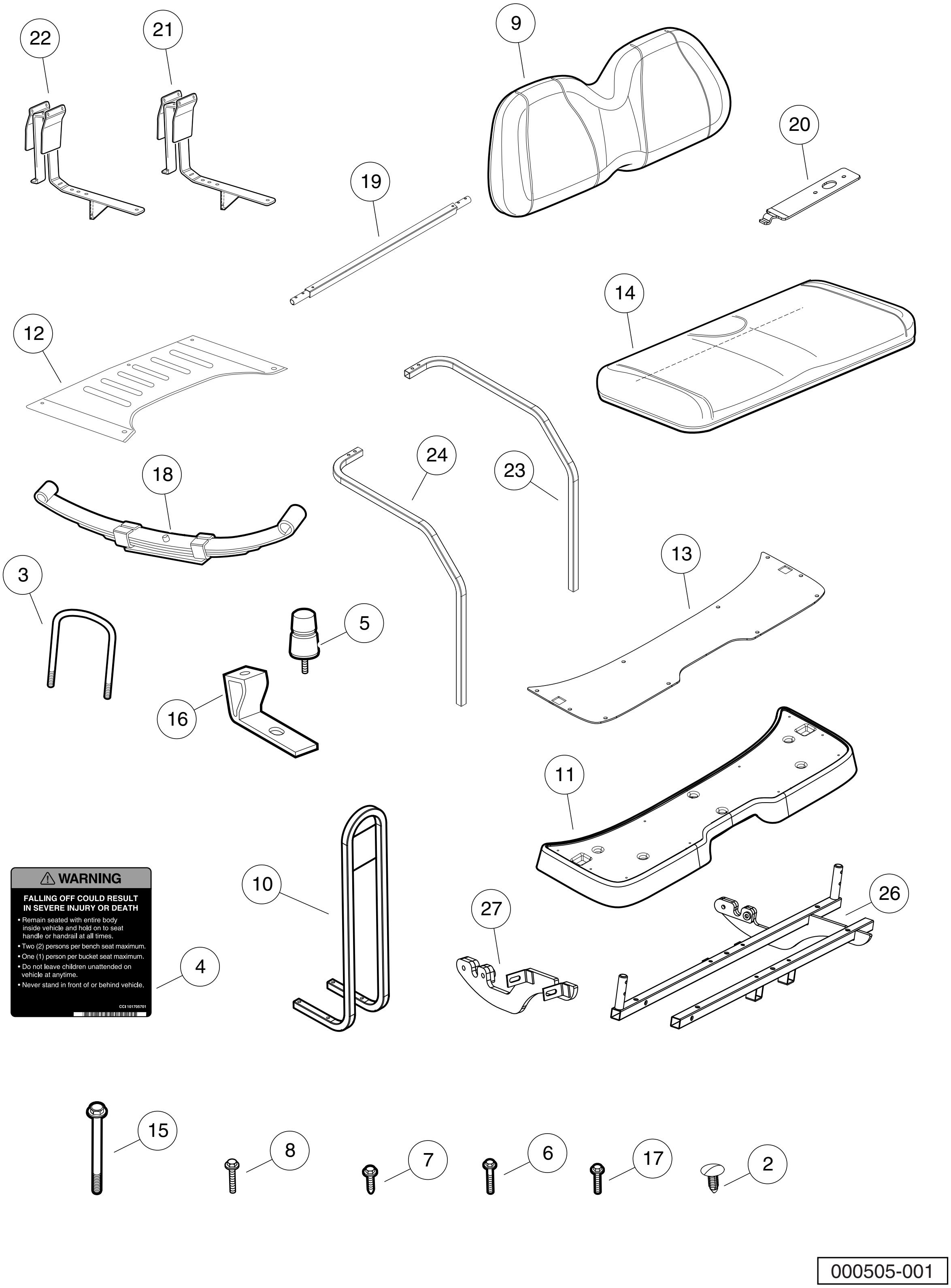
ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1010434	Barrel - Plastic	10
2	102296530	Screw - M6 X 1.0 X 30 Sems	4
3	102298030	Screw, K80x30, Torx Pn Hd Pt	2
4	102298240	Bolt, Flange Head, M8-1.25 X 40	A/R
5	102298720	M8-1.25x20 Taptite	10
6	102503221	Service Backrest Asm, Beige	1
7	102503222	Service Backrest Asm, White	1
8	102503224	Service Backrest Asm, Gray	1
9	102503225	Service Backrest Asm-black	1
10	102531501	Cover, 4-pass Ns1 Underbody	1
11	102531701	4-Passenger Rear Seat Bottom, Beige	1
12	102531702	4-Passenger Rear Seat Bottom, White	1
13	102531704	4-Passenger Rear Seat Bottom, Gray	1
14	102541425	Bolt-m6x1.0x25 Hex Flhd, Blk-l	4
15	102572201	Connector Tube-hand Rail Asm	1
16	102573101	Bracket, 4-pass Lower Seat	2
17	102574801	Support-rh 4 Passenger Seat	1
18	102574901	Support-lh 4 Passenger Seat	1
19	102575101	Restraint- Rh 4-passenger Hip	1
20	102575201	Restraint- Lh 4-passenger Hip	1

Note: See also four-passenger kit information.


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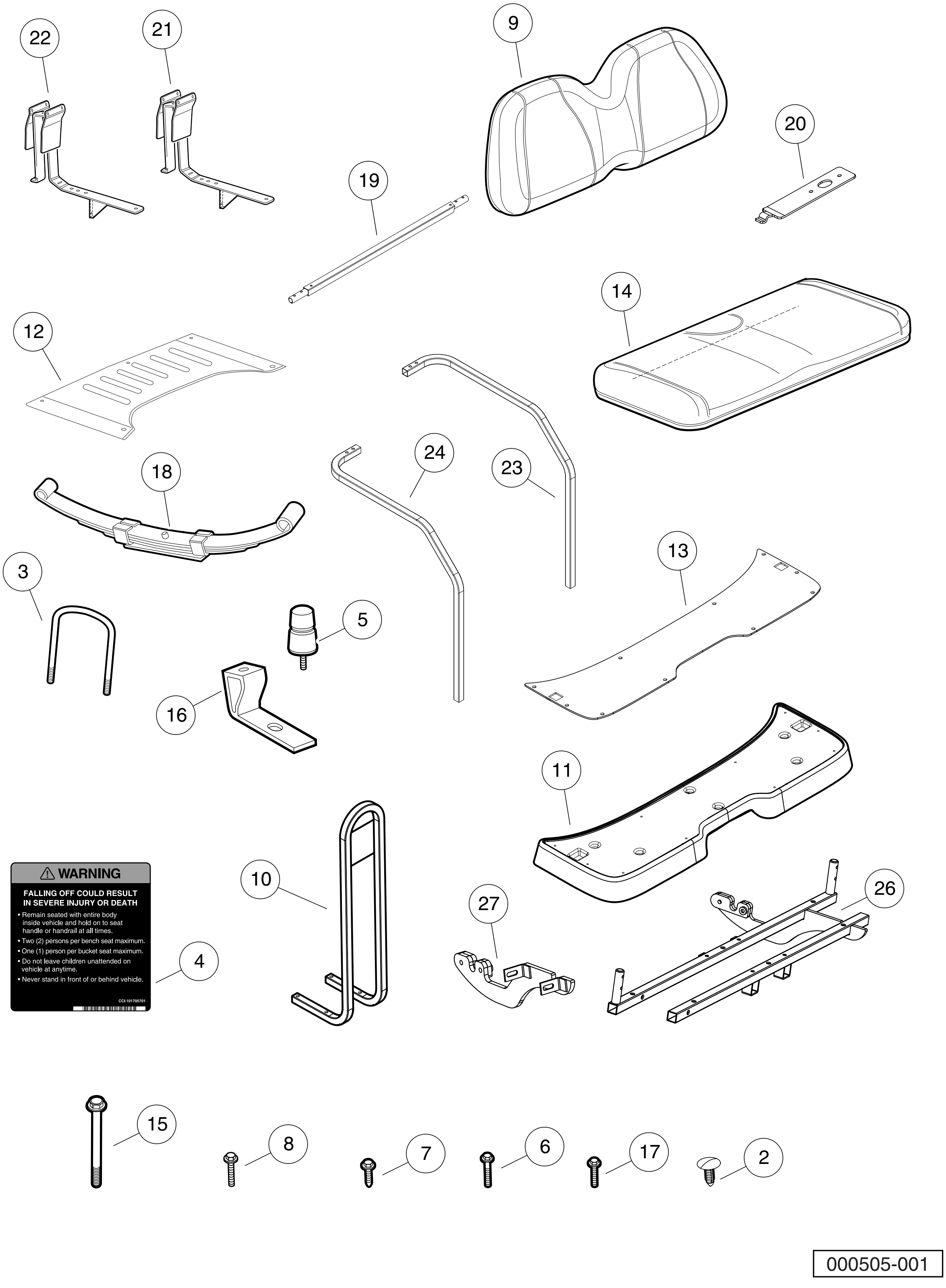
REAR FOOTREST ASSEMBLY – PRECEDENT VILLAGER 4

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1010434	Barrel - Plastic	10
2	102298720	M8-1.25x20 Taptite	8
3	102298745	M8-1.25x45 Taptite	4
4	102531001	Handrail Weldment, Rear Seat	1
5	102531402	Footdeck, 4-Passenger, Black	1
6	102531601	Floormat, 4-Passenger, Rear	1
7	102534201	Bolt - Fl Hd, M8 X 95	4
8	102584701	Weld, 4-pass Footdeck-a	1
9	102584801	Weld, 4-pass Footdeck-b	1


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WARNING
FALLING OFF COULD RESULT IN SEVERE INJURY OR DEATH
• Remain seated with entire body inside vehicle and hold on to seat handle or handrail at all times.
• Two (2) persons per bench seat maximum.
• One (1) person per bucket seat maximum.
• Do not leave children unattended on vehicle at anytime.
• Never stand in front of or behind vehicle.
CCI 101705701
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FOUR PASSENGER CONVERSION KIT – BEIGE

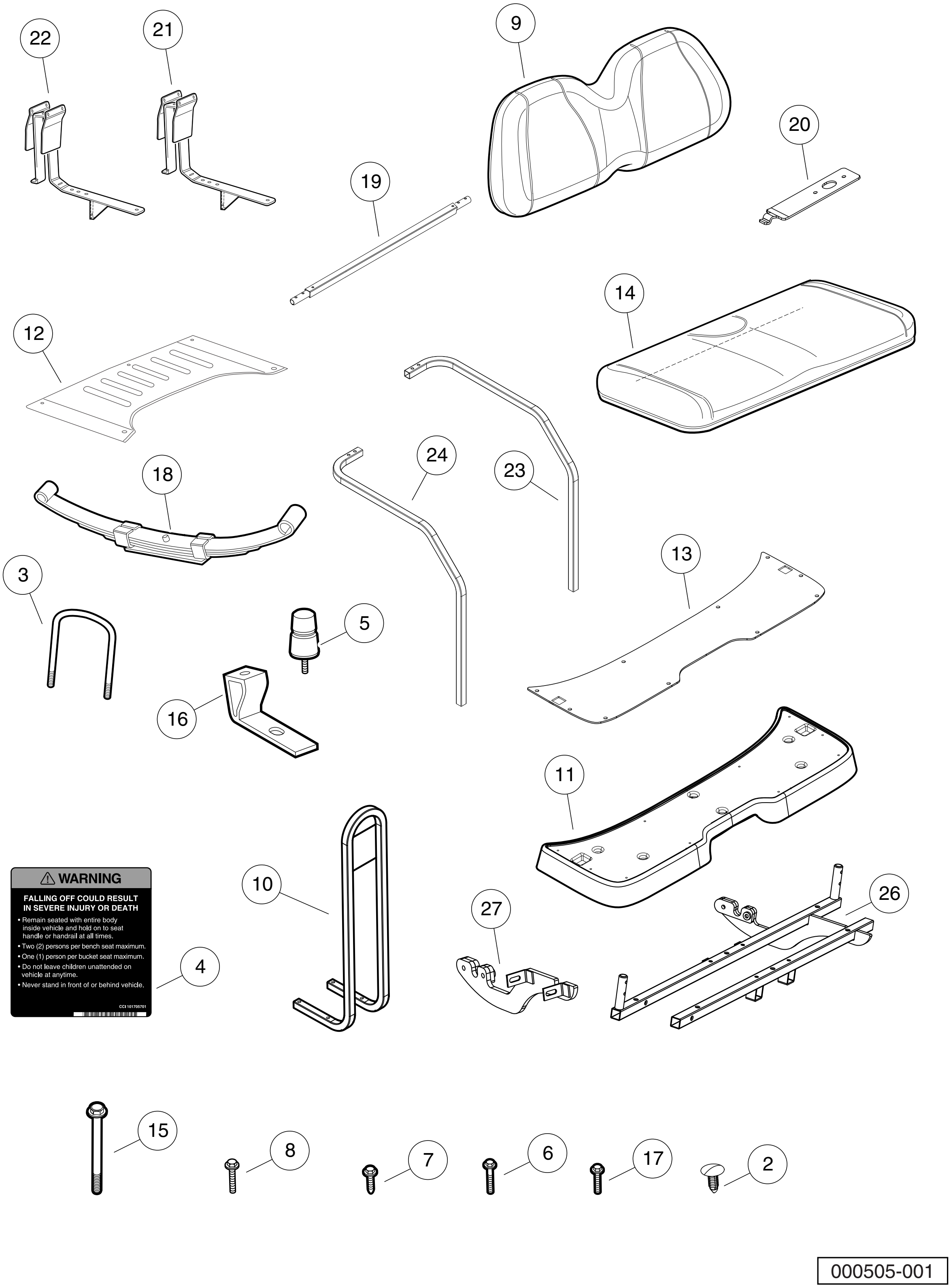
ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	102570901	Kit-4-pass, Prec, Std, Beige (includes items 2 through 27)	1
2	1010434	Barrel - Plastic	11
3	1014902	U-Bolt	2
4	101705701	Decal, Warning	1
5	1017235	Bumper, Jounce	2
6	102296530	Screw - M6 X 1.0 X 30 Sems	4
7	102298720	M8-1.25x20 Taptite	18
8	102298745	M8-1.25x45 Taptite	4
9	102503221	Service Backrest Asm, Beige	1
10	102531001	Handrail Weldment, Rear Seat	1
11	102531402	Footdeck, 4-Passenger, Black	1
12	102531501	Cover, 4-pass Ns1 Underbody	1
13	102531601	Floormat, 4-Passenger, Rear	1
14	102531701	4-Passenger Rear Seat Bottom, Beige	1
15	102534201	Bolt - Fl Hd, M8 X 95	4
16	102534801	Jounce Bumper Bracket	2
17	102541425	Bolt-m6x1.0x25 Hex Flhd, Blk-l	6
18	102544901	Spril, Leaf, Rear	2
19	102572201	Connector Tube-hand Rail Asm	1
20	102573101	Bracket, 4-pass Lower Seat	2
21	102574801	Support-rh 4 Passenger Seat	1
22	102574901	Support-lh 4 Passenger Seat	1
23	102575101	Restraint- Rh 4-passenger Hip	1
24	102575201	Restraint- Lh 4-passenger Hip	1
25	N/A	Instructions-4 Pass Field	1
26	102584701	Weld, 4-pass Footdeck-a	1
27	102584801	Weld, 4-pass Footdeck-b	1


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⚠ WARNING
FALLING OFF COULD RESULT IN SEVERE INJURY OR DEATH
• Remain seated with entire body inside vehicle and hold on to seat handle or handrail at all times.
• Two (2) persons per bench seat maximum.
• One (1) person per bucket seat maximum.
• Do not leave children unattended on vehicle at anytime.
• Never stand in front of or behind vehicle.
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FOUR PASSENGER CONVERSION KIT – WHITE

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ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	102570902	Kit-4-pass, Prec, Std, White (includes items 2 through 27)	1
2	1010434	Barrel - Plastic	11
3	1014902	U-Bolt	2
4	101705701	Decal, Warning	1
5	1017235	Bumper, Jounce	2
6	102296530	Screw - M6 X 1.0 X 30 Sems	4
7	102298720	M8-1.25x20 Taptite	18
8	102298745	M8-1.25x45 Taptite	4
9	102503222	Service Backrest Asm, White	1
10	102531001	Handrail Weldment, Rear Seat	1
11	102531402	Footdeck, 4-Passenger, Black	1
12	102531501	Cover, 4-pass Ns1 Underbody	1
13	102531601	Floormat, 4-Passenger, Rear	1
14	102531702	4-Passenger Rear Seat Bottom, White	1
15	102534201	Bolt - Fl Hd, M8 X 95	4
16	102534801	Jounce Bumper Bracket	2
17	102541425	Bolt-m6x1.0x25 Hex Flhd, Blk-l	6
18	102544901	Spril, Leaf, Rear	2
19	102572201	Connector Tube-hand Rail Asm	1
20	102573101	Bracket, 4-pass Lower Seat	2
21	102574801	Support-rh 4 Passenger Seat	1
22	102574901	Support-lh 4 Passenger Seat	1
23	102575101	Restraint- Rh 4-passenger Hip	1
24	102575201	Restraint- Lh 4-passenger Hip	1
25	N/A	Instructions-4 Pass Field	1
26	102584701	Weld, 4-pass Footdeck-a	1
27	102584801	Weld, 4-pass Footdeck-b	1


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WARNING
FALLING OFF COULD RESULT IN SEVERE INJURY OR DEATH
• Remain seated with entire body inside vehicle and hold on to seat handle or handrail at all times.
• Two (2) persons per bench seat maximum.
• One (1) person per bucket seat maximum.
• Do not leave children unattended on vehicle at anytime.
• Never stand in front of or behind vehicle.
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FOUR PASSENGER CONVERSION KIT – GRAY

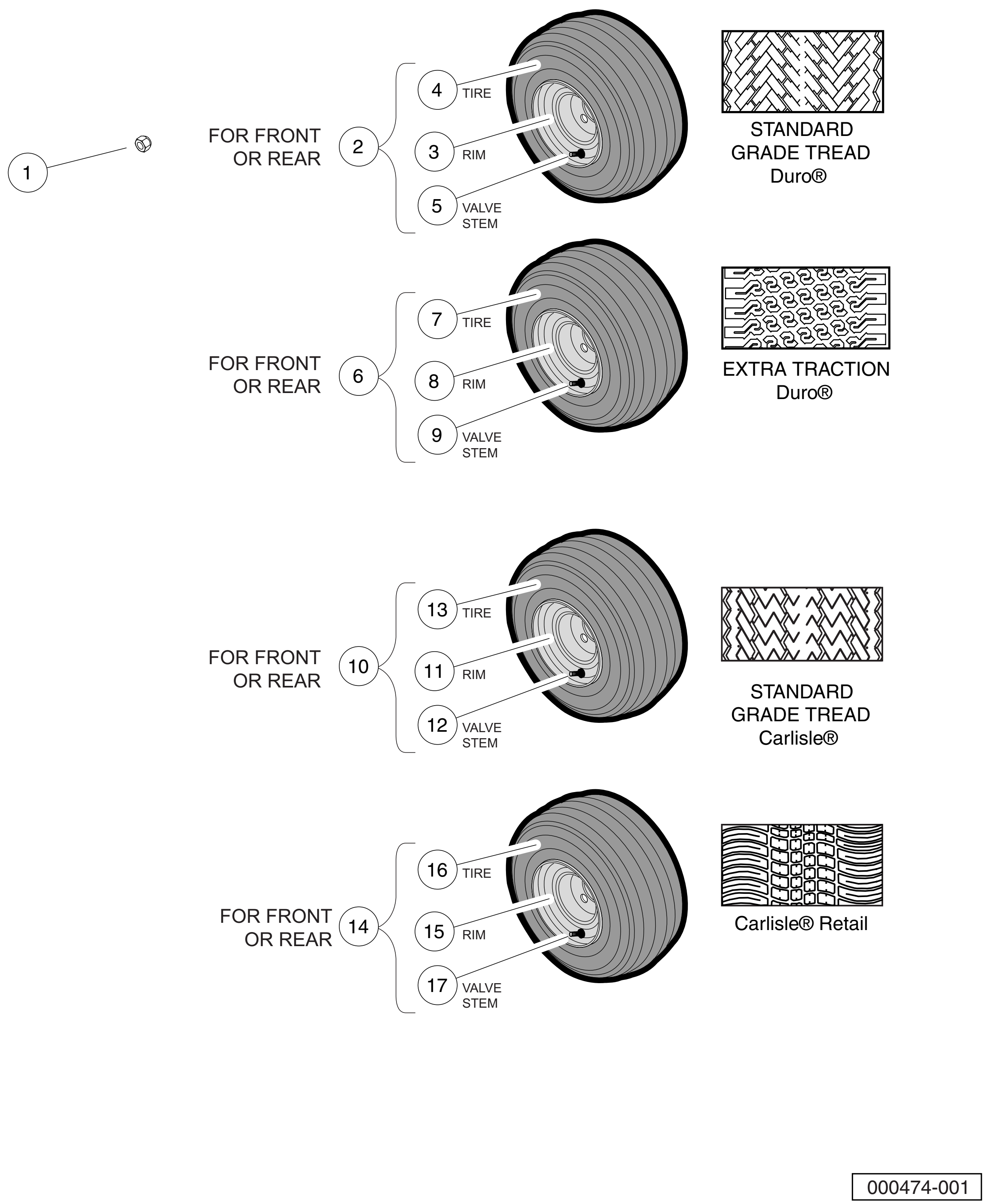
ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	102570904	Kit, 4 Passenger, Precedent, Std, Gray (includes items 2 through 27)	1
2	1010434	Barrel - Plastic	11
3	1014902	U-Bolt	2
4	101705701	Decal, Warning	1
5	1017235	Bumper, Jounce	2
6	102296530	Screw - M6 X 1.0 X 30 Sems	4
7	102298720	M8-1.25x20 Taptite	18
8	102298745	M8-1.25x45 Taptite	4
9	102503224	Service Backrest Asm, Gray	1
10	102531001	Handrail Weldment, Rear Seat	1
11	102531402	Footdeck, 4-Passenger, Black	1
12	102531501	Cover, 4-pass Ns1 Underbody	1
13	102531601	Floormat, 4-Passenger, Rear	1
14	102531704	4-Passenger Rear Seat Bottom, Gray	1
15	102534201	Bolt - Fl Hd, M8 X 95	4
16	102534801	Jounce Bumper Bracket	2
17	102541425	Bolt-m6x1.0x25 Hex Flhd, Blk-I	6
18	102544901	Spril, Leaf, Rear	2
19	102572201	Connector Tube-hand Rail Asm	1
20	102573101	Bracket, 4-pass Lower Seat	2
21	102574801	Support-rh 4 Passenger Seat	1
22	102574901	Support-lh 4 Passenger Seat	1
23	102575101	Restraint- Rh 4-passenger Hip	1
24	102575201	Restraint- Lh 4-passenger Hip	1
25	N/A	Instructions-4 Pass Field	1
26	102584701	Weld, 4-pass Footdeck-a	1
27	102584801	Weld, 4-pass Footdeck-b	1

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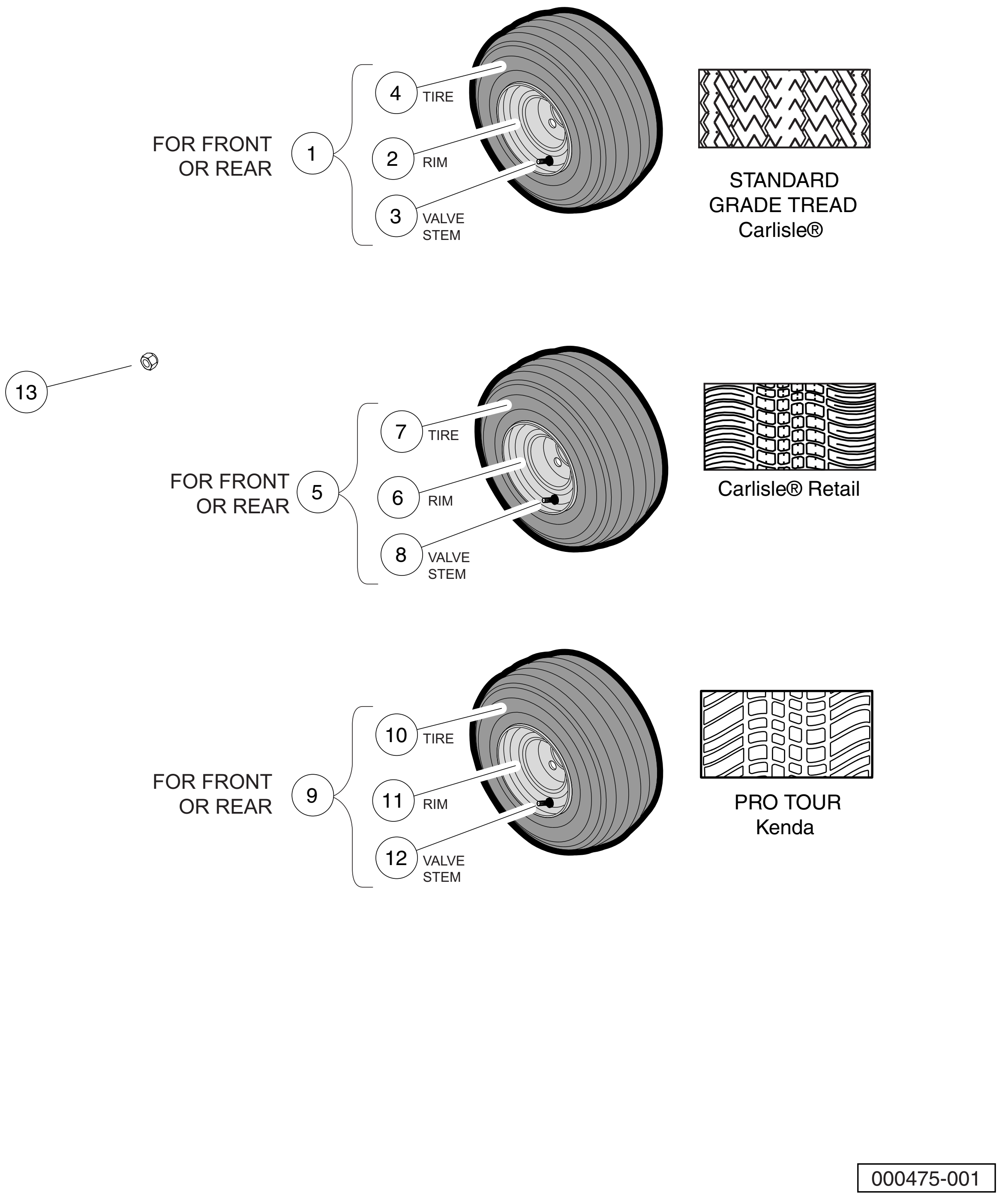
WHEEL AND TIRES


1
FOR FRONT OR REAR
2
4 TIRE
3 RIM
5 VALVE STEM
STANDARD GRADE TREAD Duro®
FOR FRONT OR REAR
6
7 TIRE
8 RIM
9 VALVE STEM
EXTRA TRACTION Duro®
FOR FRONT OR REAR
10
13 TIRE
11 RIM
12 VALVE STEM
STANDARD GRADE TREAD Carlisle®
FOR FRONT OR REAR
14
16 TIRE
15 RIM
17 VALVE STEM
Carlisle® Retail
000474-001

WHEELS AND TIRES – PROFESSIONAL

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1010984	.500-20 Unf Lug Nut	16
2	102522604	Asm-duro Std Gray (includes items 3 through 5)	4
3	102557801	Wheel Rim Asm, 8" X 7.000"	1
4	102569304	Duro 18 X 8.5 X 8, 4-Ply	1
5	7310	Valve Stem	1
6	102522605	Asm-duro Extra Tract Gray (includes items 7 through 9)	4
7	101769302	Tire, Unmounted Xtrac 18 x 8.50-8	1
8	102557801	Wheel Rim Asm, 8" X 7.000"	1
9	7310	Valve Stem	1
10	102522608	Asm-carlisle Std Gray (includes items 11 through 13)	2
11	102557801	Wheel Rim Asm, 8" X 7.000"	1
12	7310	Valve Stem	1
13	N/A	Tire, Unmouonted, Carlisle Standard Tread	1
14	N/A	Asm-carlisle Retail (includes items 15 through 17)	2
15	102557801	Wheel Rim Asm, 8" X 7.000"	1
16	102569309	Carlisle 18 X 8.50 R8	1
17	7310	Valve Stem	1

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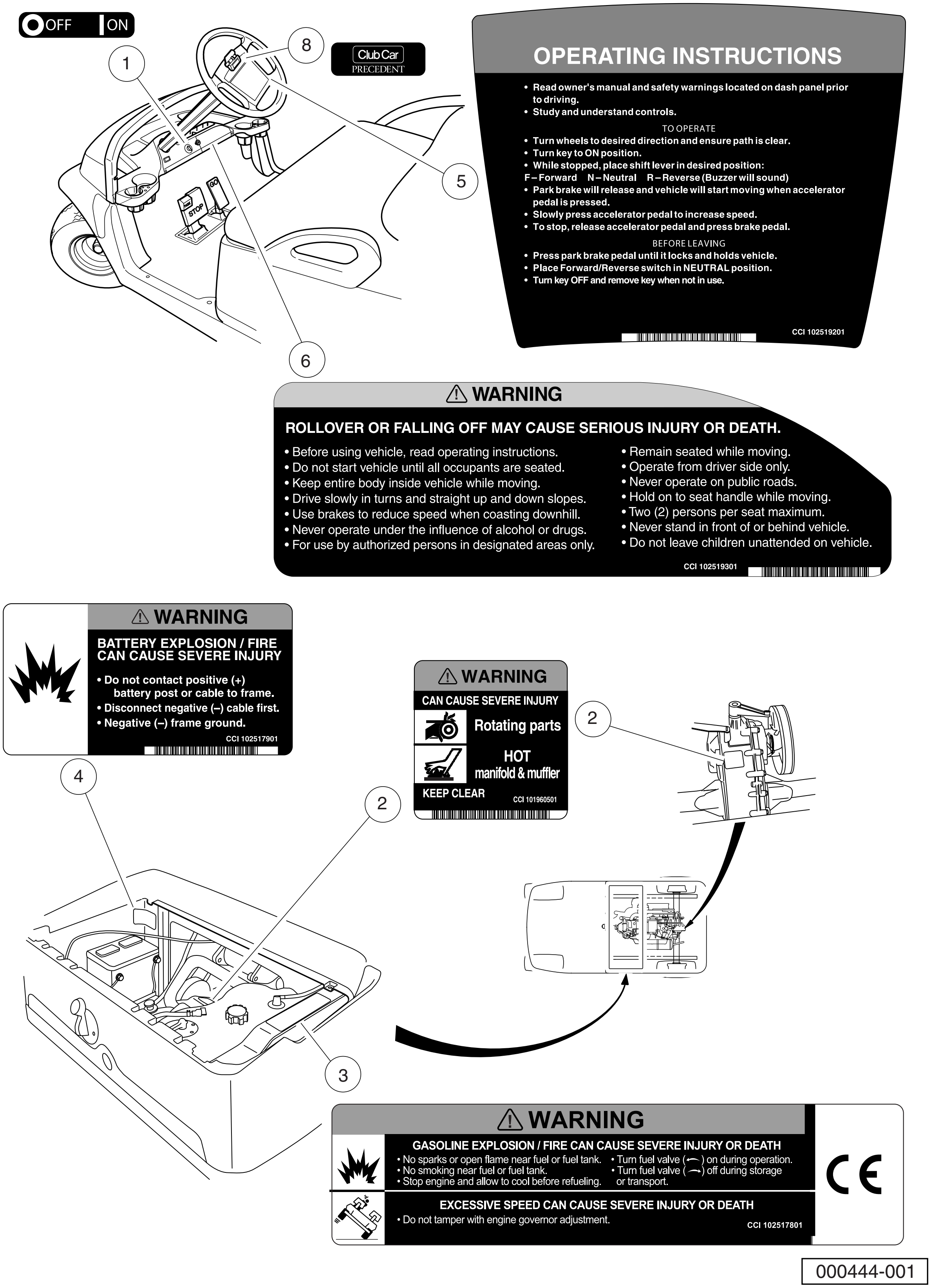


FOR FRONT OR REAR
1
4
TIRE
2
RIM
3
VALVE STEM
STANDARD GRADE TREAD
Carlisle®
13
FOR FRONT OR REAR
5
7
TIRE
6
RIM
8
VALVE STEM
Carlisle® Retail
FOR FRONT OR REAR
9
10
TIRE
11
RIM
12
VALVE STEM
PRO TOUR
Kenda
000475-001

WHEELS AND TIRES – CHAMPION

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	102522608	Asm-carlisle Std Gray (includes items 2 through 4)	4
2	102557801	Wheel Rim Asm, 8" X 7.000"	1
3	7310	Valve Stem	1
4	N/A	Tire, Unmouonted, Carlisle Standard Tread	1
5	N/A	Asm-carlisle Retail (includes items 6 through 8)	4
6	102557801	Wheel Rim Asm, 8" X 7.000"	1
7	102569309	Carlisle 18 X 8.50 R8	1
8	7310	Valve Stem	1
9	102540601	Tire and Wheel, Aluminum (includes items 10 through 12)	4
10	102556701	Tire, Pro Tour, 205-50 X 10	1
11	102556801	Wheel, ChampionsAluminum'	1
12	7310	Valve Stem	1
13	102540701	Lug Nut, 1/2" Closed End	16

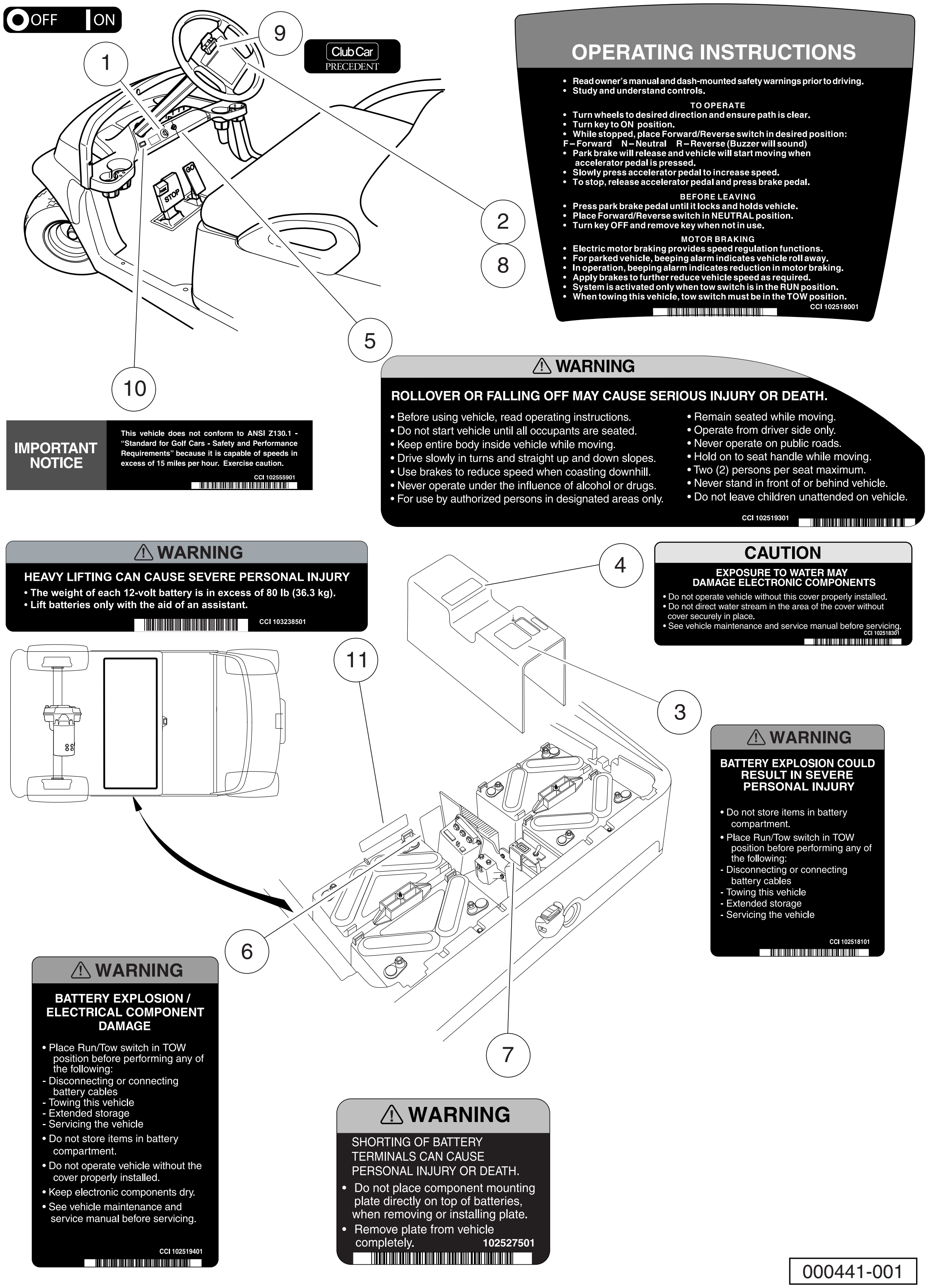
DECALS


OFF
ON
1
8
Club Car
PRECEDENT
5
6
OPERATING INSTRUCTIONS
• Read owner's manual and safety warnings located on dash panel prior to driving.
• Study and understand controls.
TO OPERATE
• Turn wheels to desired direction and ensure path is clear.
• Turn key to ON position.
• While stopped, place shift lever in desired position:
F – Forward N – Neutral R – Reverse (Buzzer will sound)
• Park brake will release and vehicle will start moving when accelerator pedal is pressed.
• Slowly press accelerator pedal to increase speed.
• To stop, release accelerator pedal and press brake pedal.
BEFORE LEAVING
• Press park brake pedal until it locks and holds vehicle.
• Place Forward/Reverse switch in NEUTRAL position.
• Turn key OFF and remove key when not in use.
CCI 102519201
WARNING
ROLLOVER OR FALLING OFF MAY CAUSE SERIOUS INJURY OR DEATH.
• Before using vehicle, read operating instructions.
• Do not start vehicle until all occupants are seated.
• Keep entire body inside vehicle while moving.
• Drive slowly in turns and straight up and down slopes.
• Use brakes to reduce speed when coasting downhill.
• Never operate under the influence of alcohol or drugs.
• For use by authorized persons in designated areas only.
• Remain seated while moving.
• Operate from driver side only.
• Never operate on public roads.
• Hold on to seat handle while moving.
• Two (2) persons per seat maximum.
• Never stand in front of or behind vehicle.
• Do not leave children unattended on vehicle.
CCI 102519301
WARNING
BATTERY EXPLOSION / FIRE CAN CAUSE SEVERE INJURY
• Do not contact positive (+) battery post or cable to frame.
• Disconnect negative (–) cable first.
• Negative (–) frame ground.
CCI 102517901
WARNING
CAN CAUSE SEVERE INJURY
Rotating parts
HOT
manifold & muffler
KEEP CLEAR
CCI 101960501
2
4
2
3
WARNING
GASOLINE EXPLOSION / FIRE CAN CAUSE SEVERE INJURY OR DEATH
• No sparks or open flame near fuel or fuel tank.
• No smoking near fuel or fuel tank.
• Stop engine and allow to cool before refueling.
• Turn fuel valve ( ) on during operation.
• Turn fuel valve ( ) off during storage or transport.
EXCESSIVE SPEED CAN CAUSE SEVERE INJURY OR DEATH
• Do not tamper with engine governor adjustment.
CCI 102517801
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000444-001

DECALS – GASOLINE VEHICLE

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	101825101	Decal, Off/On	1
2	101960501	Decal, Rotating Parts/Hot Manifold	2
3	102517801	Decal, Warning - Gas and Govenor	1
4	102517901	Decal, Warning - Frame Ground	1
5	102519201	Decal, Operating Instr, Gas	1
6	102519301	Decal, Warning, Rollover	1
7	102538101	Decal, Operating Instructions	1
8	102540901	Decal, Club Car Clip	1

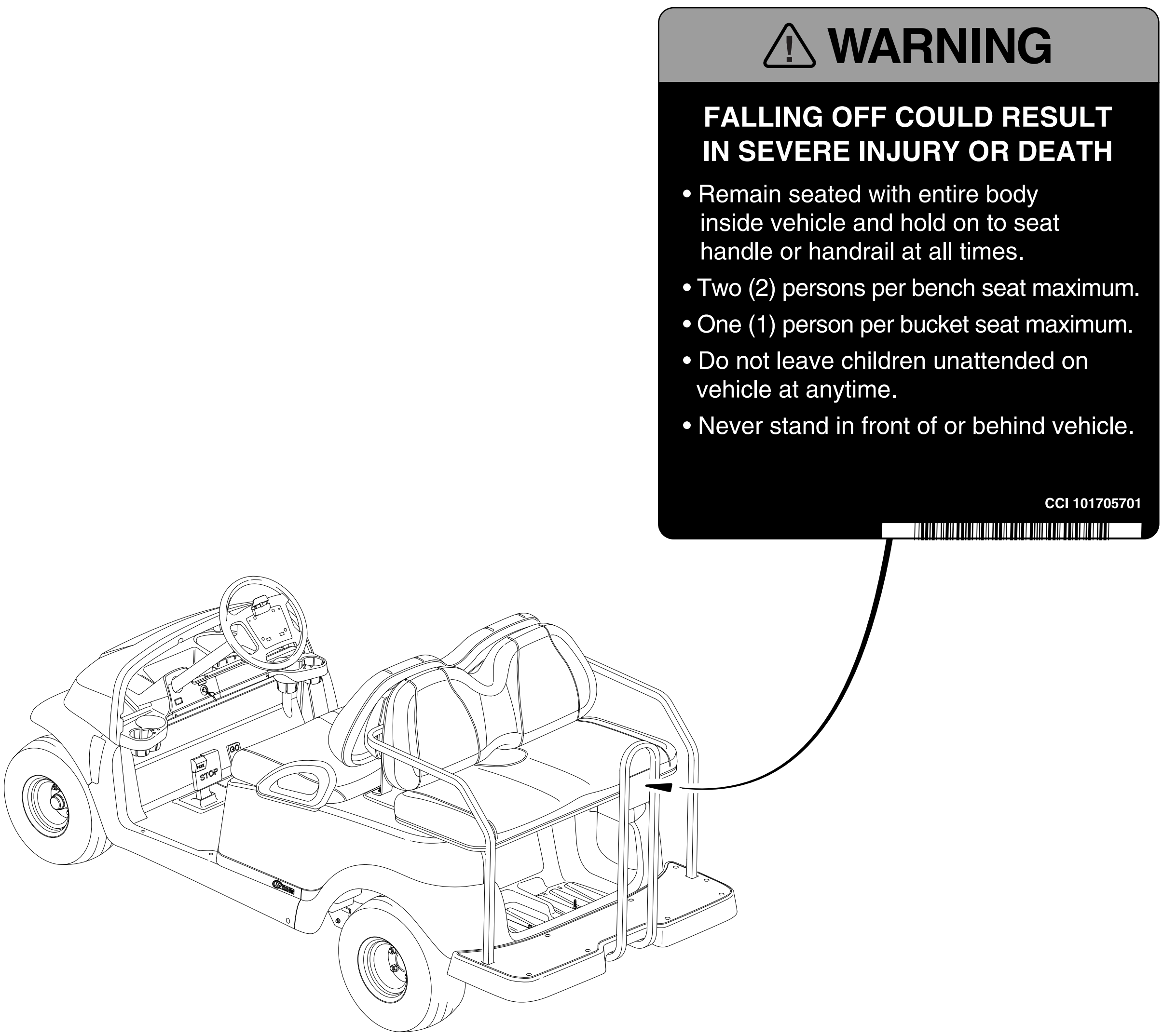
Note: Item 7 not shown.


OFF ON
Club Car
PRECEDENT
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OPERATING INSTRUCTIONS
• Read owner's manual and dash-mounted safety warnings prior to driving.
• Study and understand controls.
TO OPERATE
• Turn wheels to desired direction and ensure path is clear.
• Turn key to ON position.
• While stopped, place Forward/Reverse switch in desired position:
F – Forward N – Neutral R – Reverse (Buzzer will sound)
• Park brake will release and vehicle will start moving when accelerator pedal is pressed.
• Slowly press accelerator pedal to increase speed.
• To stop, release accelerator pedal and press brake pedal.
BEFORE LEAVING
• Press park brake pedal until it locks and holds vehicle.
• Place Forward/Reverse switch in NEUTRAL position.
• Turn key OFF and remove key when not in use.
MOTOR BRAKING
• Electric motor braking provides speed regulation functions.
• For parked vehicle, beeping alarm indicates vehicle roll away.
• In operation, beeping alarm indicates reduction in motor braking.
• Apply brakes to further reduce vehicle speed as required.
• System is activated only when tow switch is in the RUN position.
• When towing this vehicle, tow switch must be in the TOW position.
CCI 102518001
WARNING
ROLLOVER OR FALLING OFF MAY CAUSE SERIOUS INJURY OR DEATH.
• Before using vehicle, read operating instructions.
• Do not start vehicle until all occupants are seated.
• Keep entire body inside vehicle while moving.
• Drive slowly in turns and straight up and down slopes.
• Use brakes to reduce speed when coasting downhill.
• Never operate under the influence of alcohol or drugs.
• For use by authorized persons in designated areas only.
• Remain seated while moving.
• Operate from driver side only.
• Never operate on public roads.
• Hold on to seat handle while moving.
• Two (2) persons per seat maximum.
• Never stand in front of or behind vehicle.
• Do not leave children unattended on vehicle.
CCI 102519301
IMPORTANT NOTICE
This vehicle does not conform to ANSI Z130.1 - "Standard for Golf Cars - Safety and Performance Requirements" because it is capable of speeds in excess of 15 miles per hour. Exercise caution.
CCI 102555901
WARNING
HEAVY LIFTING CAN CAUSE SEVERE PERSONAL INJURY
• The weight of each 12-volt battery is in excess of 80 lb (36.3 kg).
• Lift batteries only with the aid of an assistant.
CCI 103238501
CAUTION
EXPOSURE TO WATER MAY DAMAGE ELECTRONIC COMPONENTS
• Do not operate vehicle without this cover properly installed.
• Do not direct water stream in the area of the cover without cover securely in place.
• See vehicle maintenance and service manual before servicing.
CCI 102518301
WARNING
BATTERY EXPLOSION COULD RESULT IN SEVERE PERSONAL INJURY
• Do not store items in battery compartment.
• Place Run/Tow switch in TOW position before performing any of the following:
- Disconnecting or connecting battery cables
- Towing this vehicle
- Extended storage
- Servicing the vehicle
CCI 102518101
STOP
GO
WARNING
BATTERY EXPLOSION / ELECTRICAL COMPONENT DAMAGE
• Place Run/Tow switch in TOW position before performing any of the following:
- Disconnecting or connecting battery cables
- Towing this vehicle
- Extended storage
- Servicing the vehicle
• Do not store items in battery compartment.
• Do not operate vehicle without the cover properly installed.
• Keep electronic components dry.
• See vehicle maintenance and service manual before servicing.
CCI 102519401
WARNING
SHORTING OF BATTERY TERMINALS CAN CAUSE PERSONAL INJURY OR DEATH.
• Do not place component mounting plate directly on top of batteries, when removing or installing plate.
• Remove plate from vehicle completely.
102527501
000441-001

DECALS – ELECTRIC VEHICLE

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	101825101	Decal, Off/On	1
2	102518001	Decal, Operating Instr, Elec	1
3	102518101	Decal, Run/Tow with Storage Area	1
4	102518301	Decal, Caution, Electrical Component Cover	1
5	102519301	Decal, Warning, Rollover	1
6	102519401	Decal, Run/Tow Safety, IQ	1
7	102527501	Decal-component Mounting Plate	1
8	102538201	Decal, Operating Instructions	1
9	102540901	Decal, Club Car Clip	1
10	102555901	Decal, Private Speed, Prec	1
11	103238501	Decal, Warning -battery Weight	1
		Note: Item 8 not shown.	

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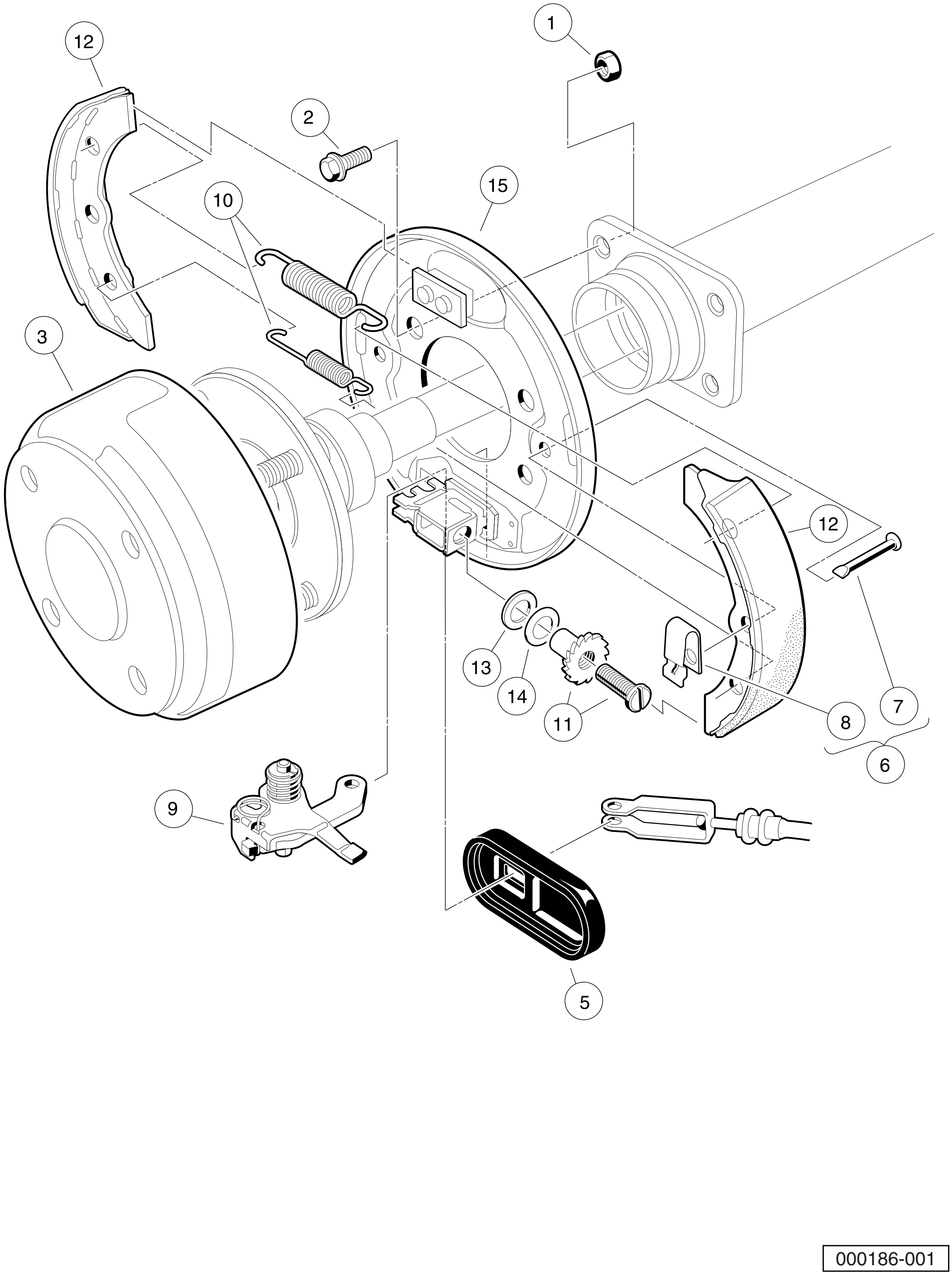
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DECAL – PRECEDENT VILLAGER 4

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	101705701	Decal, Warning	4

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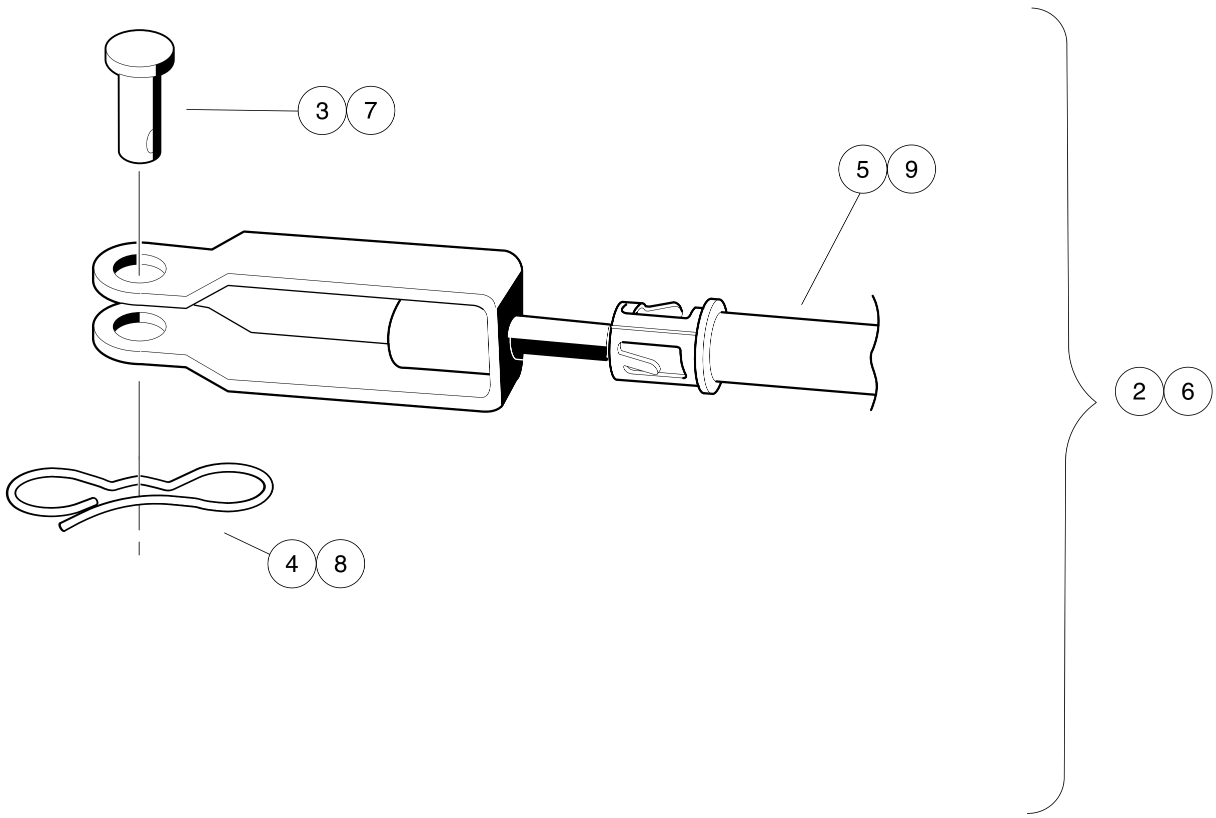
BRAKES AND PEDAL GROUP ASSEMBLIES


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REAR BRAKE ASSEMBLY, SELF-ADJUSTING

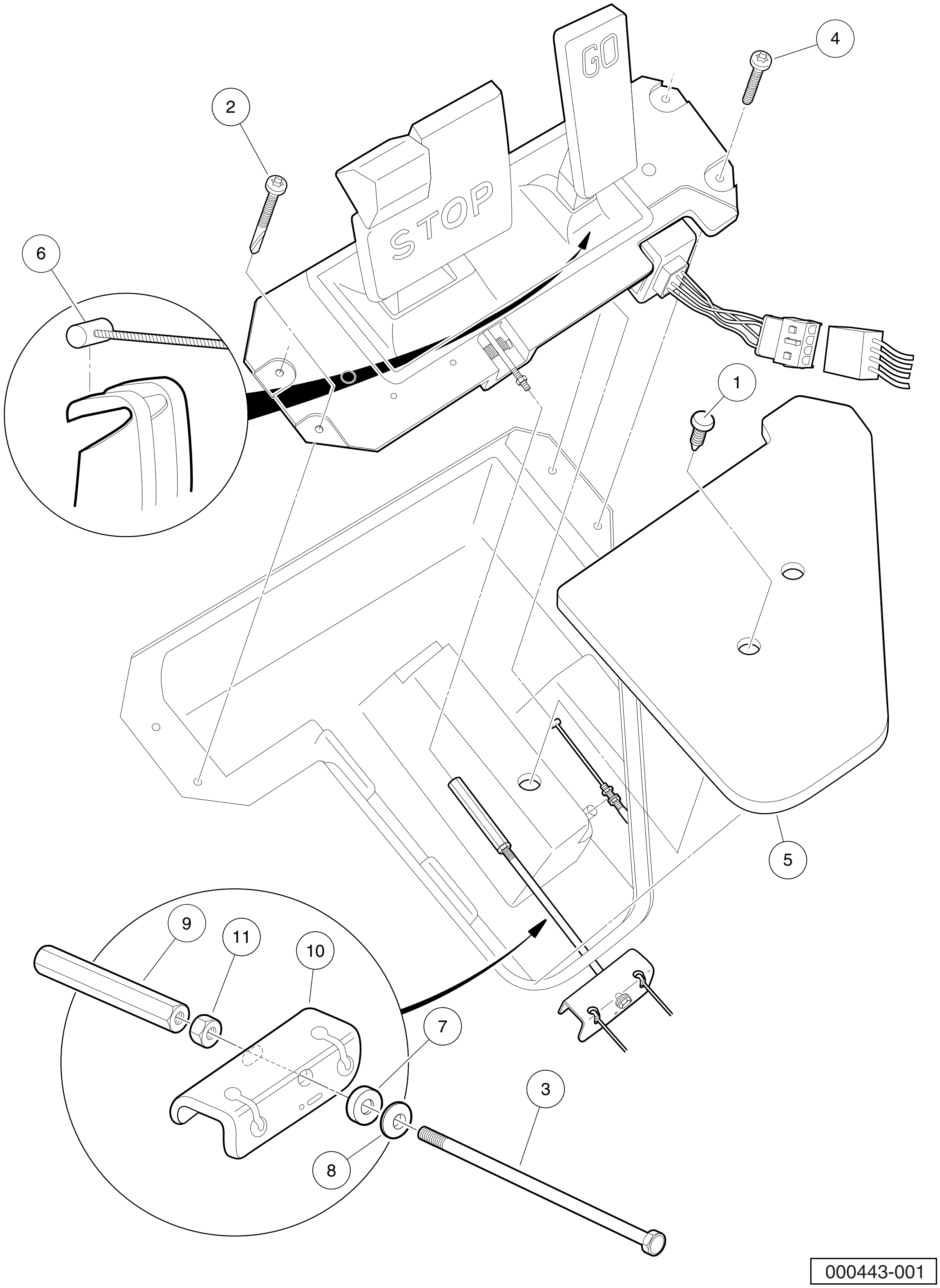
ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1013924	Nut, 5/16-24 Hex Head Cone	8
2	1014153	Bolt, Brake Cluster Mounting	8
3	101791101	Drum without Center Hole, Brake	2
4	101823301	Cluster Assembly, Right (Passenger) Brake (includes items 5 through 15)	1
5	1010850	Dust Cover	1
6	1011466	Kit, Shoe Retainer (includes items 7 and 8)	1
7	N/A	Pin	2
8	N/A	Shoe Clamp Spring	2
9	101815501	Lever Assembly, Self-Adjusting Brake, Right (Passenger)	1
10	101816301	Package, Brake Spring, Self-Adjusting	1
11	101816501	Adj Mechanism, S.A. Brakes, Right (Passenger)	1
12	101823201	Package, Brake Shoe, Self-Adjusting	1
13	101823801	Plate, Washer, Brake, Self-Adjusting	1
14	101823901	Washer, Brake, Self-Adjusting	1
15	101824001	Plate Assembly, Right Brake Backing	1
16	101823302	Cluster Assembly, Left Brake (includes items 17 through 27)	1
17	1010850	Dust Cover	1
18	1011466	Kit, Shoe Retainer (includes items 19 and 20)	1
19	N/A	Pin	2
20	N/A	Shoe Clamp Spring	2
21	101815502	Lever Assembly, Self-Adjusting Brake, Left	1
22	101816301	Package, Brake Spring, Self-Adjusting	1
23	101816502	Adjusting Mechanism, Self-Adjusting Brake, Left	1
24	101823201	Package, Brake Shoe, Self-Adjusting	1
25	101823801	Plate, Washer, Brake, Self-Adjusting	1
26	101823901	Washer, Brake, Self-Adjusting	1
27	101824002	Plate Assembly, Left Brake Backing	1

Note: Driver-side brake cluster not shown. Components have a similar appearance to passenger-side brake cluster components.


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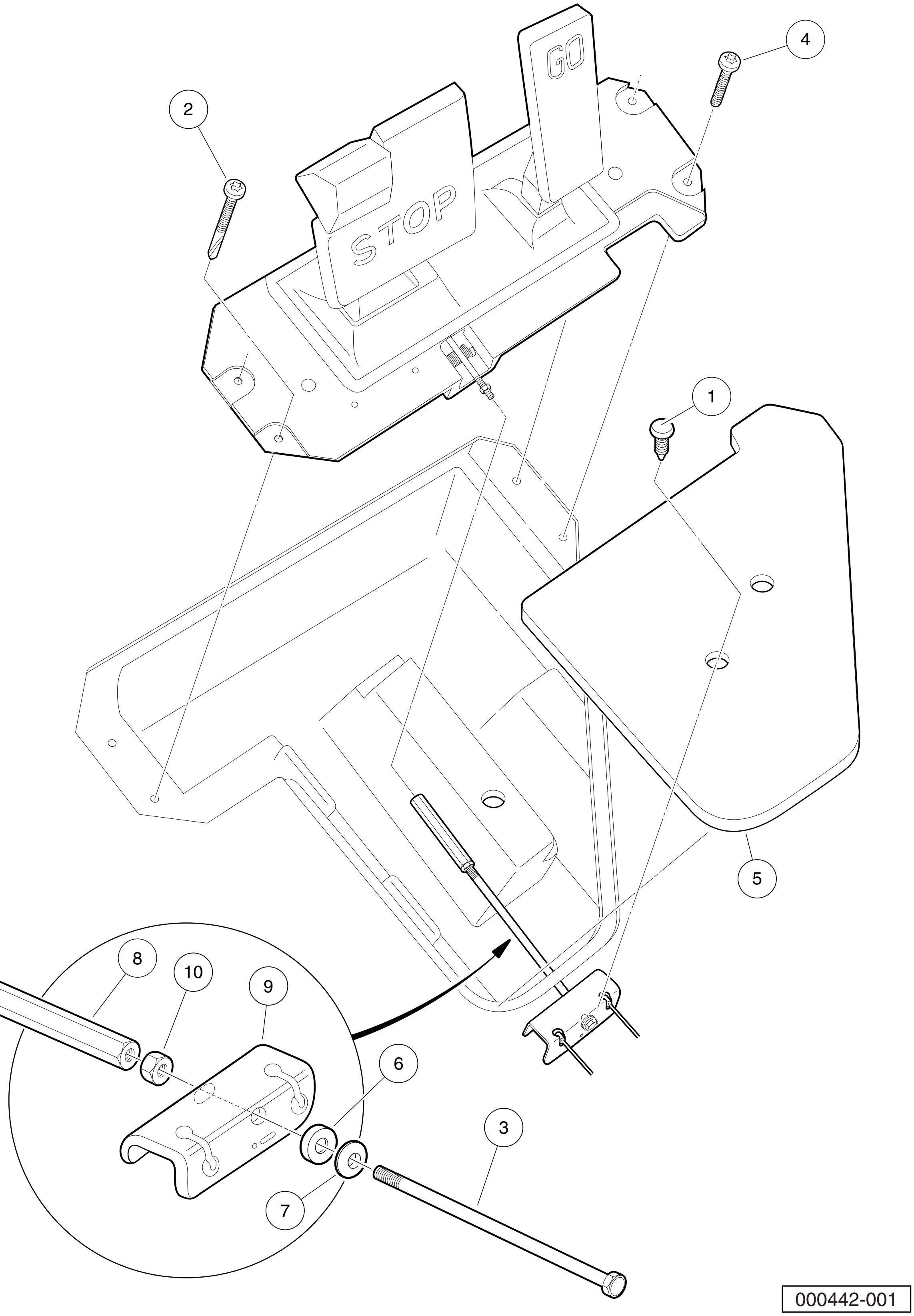
BRAKE CABLES

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	103528801	Kit, Brake Cable, Prec Upgrade (includes items 2 through 11)	1
2	103528701	Kit, Brake Cable, Prec, Rh (includes items 3 through 5)	1
3	1010829	Pin, Clevis, 5/16 X 3/4	1
4	102292801	Pin, Bow Tie Locking - .072	1
5	103528501	Cable, Brake, Prec, Right	1
6	103528702	Kit, Brake Cable, Prec, Lh (includes items 7 through 9)	1
7	1010829	Pin, Clevis, 5/16 X 3/4	1
8	102292801	Pin, Bow Tie Locking - .072	1
9	103528601	Cable, Brake, Prec, Left	1
10	103535001	Bracket, Equalizer, Prec Awd	1
11	N/A	Instr, Prec Brake Cable Kit	1


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GO
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STOP
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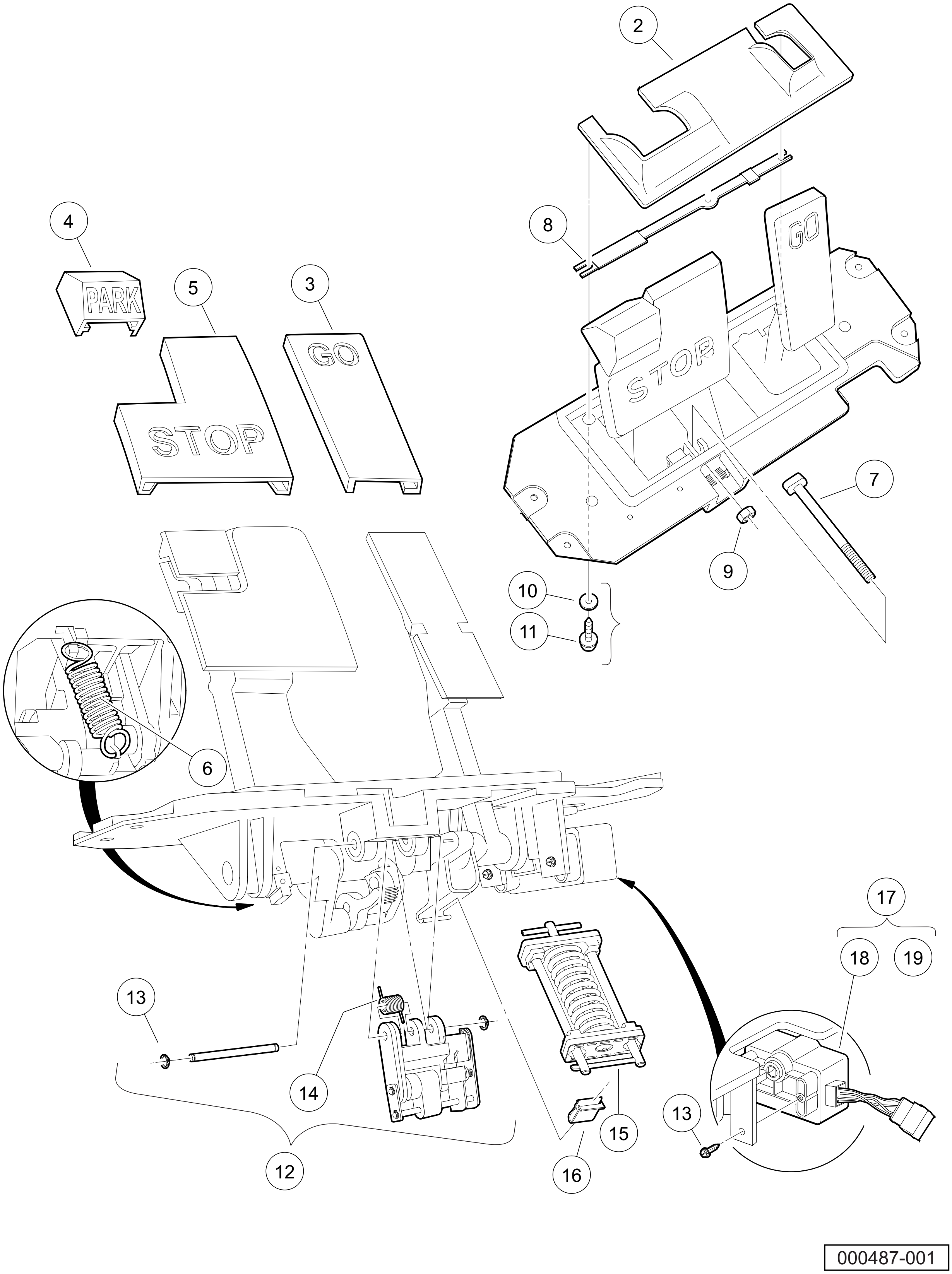
PEDAL GROUP CONNECTIONS – GASOLINE VEHICLE

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1010434	Barrel - Plastic	1
2	102292201	Screw-1/4-20x2.20 Tx Pn Hd Sd	2
3	102297901	Bolt, 5/16-18 X 7.375, Hex	1
4	102298030	Screw, K80x30, Torx Pn Hd Pt	2
5	102500801	Plate - Floor Cover	1
6	102513102	Cable, Acc, Snap-in	1
7	102551901	Washer, 5/16, Self Comp, Cup	1
8	102552001	Washer, 5/16, Self Comp, Cone	1
9	102594301	Nut, 5/16-18, Hex Adjusting -l	1
10	103535001	Bracket, Equalizer, Prec Awd	1
11	1242	Nut, 5/16-18 Hex	1


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PEDAL GROUP CONNECTIONS – ELECTRIC VEHICLE

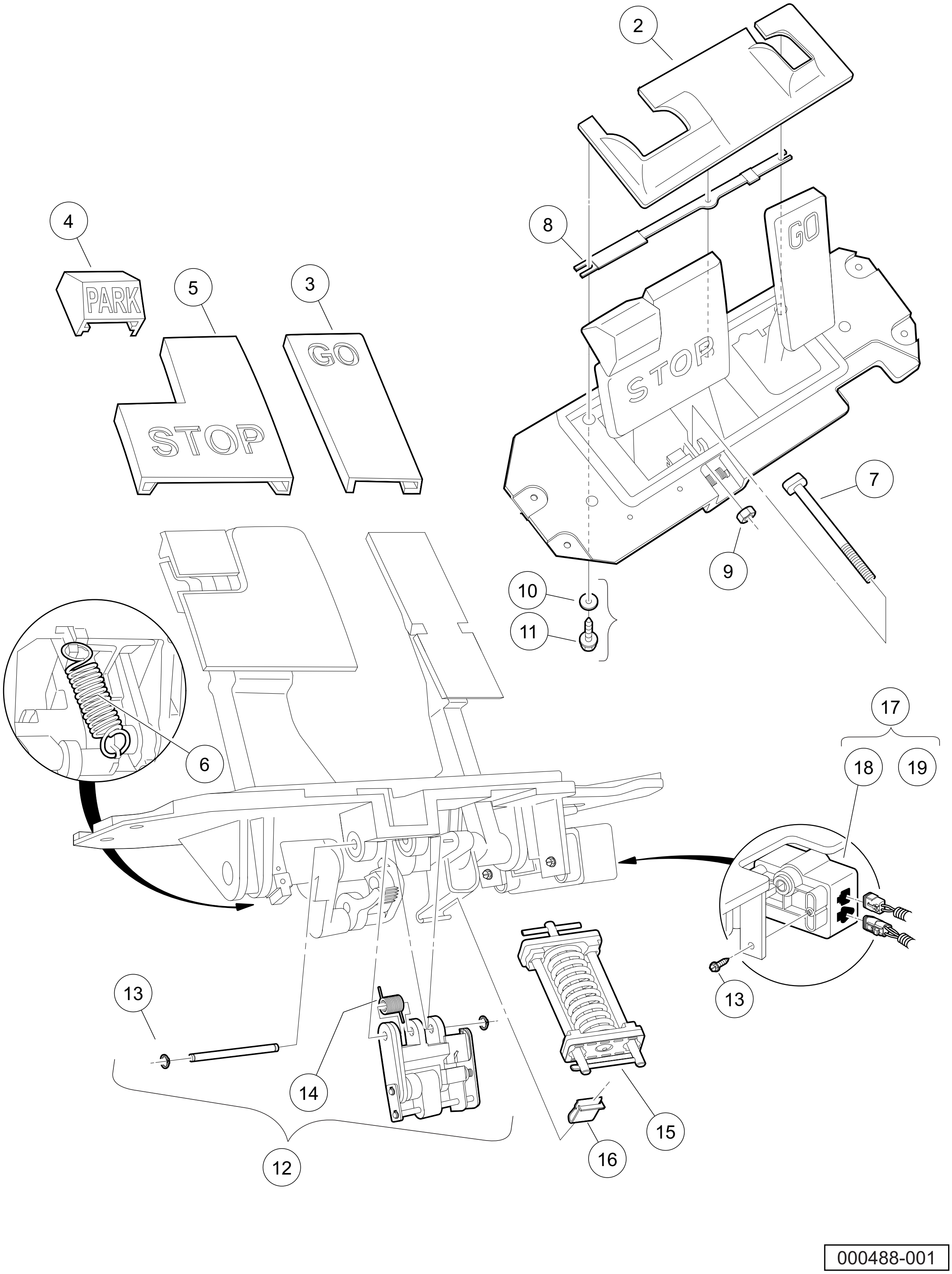
ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1010434	Barrel - Plastic	1
2	102292201	Screw-1/4-20x2.20 Tx Pn Hd Sd	2
3	102297901	Bolt, 5/16-18 X 7.375, Hex	1
4	102298030	Screw, K80x30, Torx Pn Hd Pt	2
5	102500801	Plate - Floor Cover	1
6	102551901	Washer, 5/16, Self Comp, Cup	1
7	102552001	Washer, 5/16, Self Comp, Cone	1
8	102594301	Nut, 5/16-18, Hex Adjusting -l	1
9	103535001	Bracket, Equalizer, Prec Awd	1
10	103744901	Adapter, Gen 2 Pedal, Mcor	1
11	103745001	Drive Bar, Gen 2 Pedal, Mcor	1
12	1242	Nut, 5/16-18 Hex	1


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PEDAL GROUP COMPONENTS – GASOLINE VEHICLE

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	102500101	Asm, Pedal Box Gas (includes items 2 through 17)	1
2	102558801	Shield, Debris	1
3	102558901	Pad, Pedal, Accelerator	1
4	102559001	Pad, Pedal, Park	1
5	102559101	Pad, Pedal, Brake	1
6	102559301	Spring, Brake, Return	1
7	102559401	Rod, Brake	1
8	102559601	Shield, Debris, Aux	1
9	102559701	Nut, Brake Rod	1
10	102563001	Washer, Std Fender, #10	3
11	102563101	Screw, Type A, #10	5
12	N/A	Assembly Pawl Lock Headed Pins (includes items 13 and 14)	1
13	102587501	Clip, Push, Pawl	2
14	103344301	Spring, Pawl Return	1
15	102588701	Kit, Pedal Spring	1
16	102588901	Clip, U	1
17	103327701	Kit, Gcor (includes items 18 and 19)	1
18	102528601	GCOR, Prec	1
19	N/A	Instr, Kit Gcor/mcor	1

Note: Replace pedal box assembly with Generation 2 pedal box assembly (CCI P/N 102595021). Generation 2 pedal box assembly will also require new accelerator pedal cable (CCI P/N 102595101).


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PEDAL GROUP COMPONENTS – ELECTRIC VEHICLE

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	N/A	Asm, Pedal Box Elec (includes items 2 through 17)	1
2	102558801	Shield, Debris	1
3	102558901	Pad, Pedal, Accelerator	1
4	102559001	Pad, Pedal, Park	1
5	102559101	Pad, Pedal, Brake	1
6	102559301	Spring, Brake, Return	1
7	102559401	Rod, Brake	1
8	102559601	Shield, Debris, Aux	1
9	102559701	Nut, Brake Rod	1
10	102563001	Washer, Std Fender, #10	3
11	102563101	Screw, Type A, #10	5
12	N/A	Assembly Pawl Lock Headed Pins (includes items 13 and 14)	1
13	102587501	Clip, Push, Pawl	2
14	103344301	Spring, Pawl Return	1
15	102588701	Kit, Pedal Spring	1
16	102588901	Clip, U	1
17	103327901	Kit, Mcor (includes items 18 and 19)	1
18	102528501	Mcor, Prec	1
19	N/A	Instr, Kit Gcor/mcor	1
		Note: Replace pedal box assembly with Generation 2 pedal box assembly (CCI P/N 102595012).	

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STEERING, FRONT AND REAR SUSPENSION

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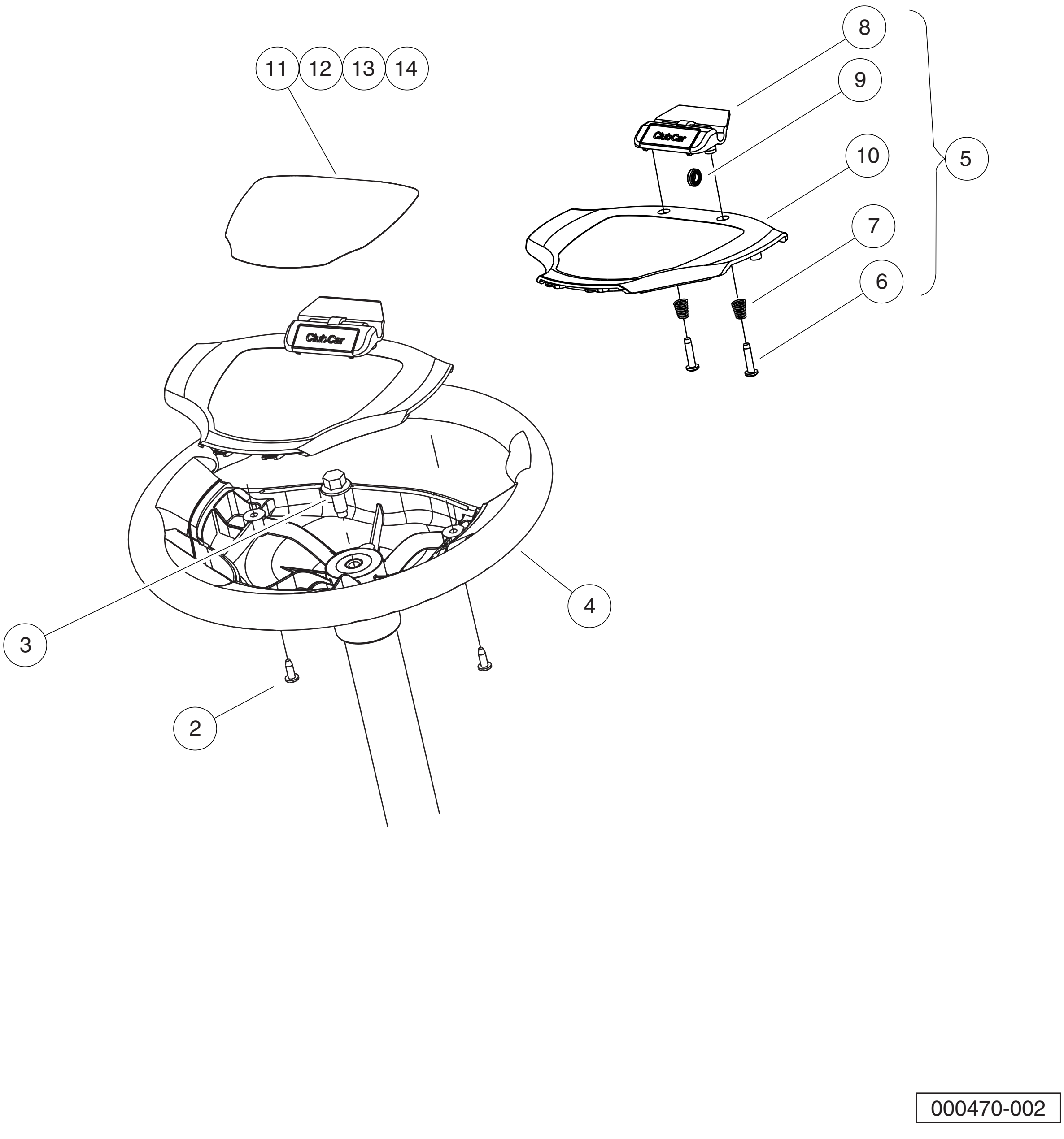
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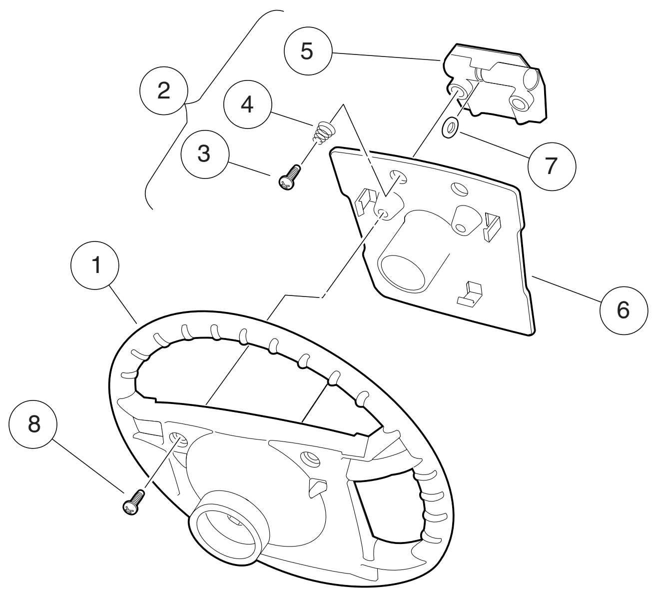
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STEERING WHEEL – CHAMPION

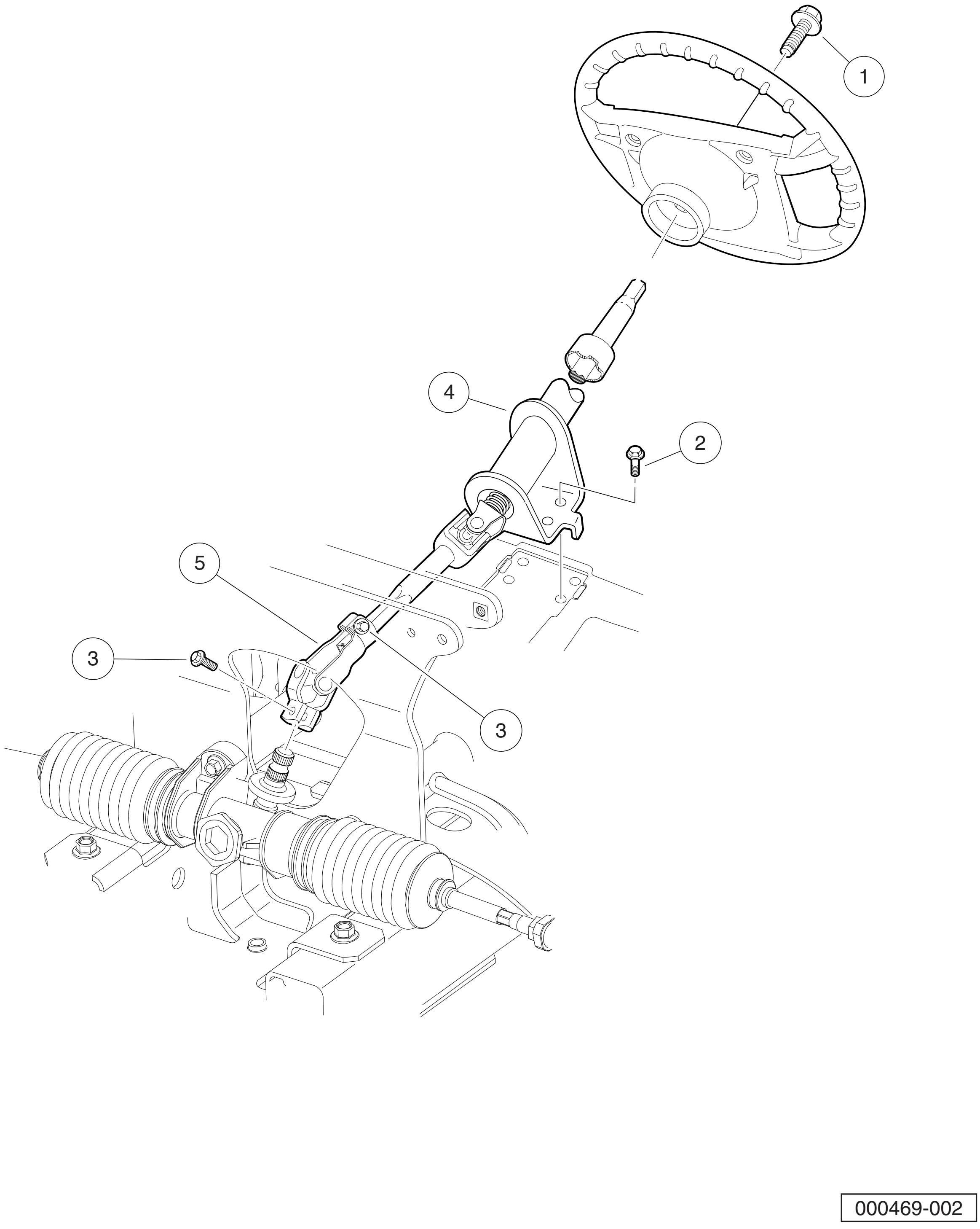
ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	N/A	Kit, Hex, Steering Wheel (includes items 2 through 15)	1
2	1016663	Screw, #12-14 X 0.625	2
3	102290120	Bolt, M10 X 20 Hex Washer Hd	1
4	N/A	Steering Wheel, Soft Hex	1
5	N/A	Asm, Scorecard, Clip (includes items 6 through 10)	1
6	1012565	Screw, #12 Phillips Round Head	2
7	1012566	Tapered Compression Spring	2
8	1016154	Clip, Scorecard	1
9	1016214	Pencil Grip	1
10	N/A	Cover, Steering Wheel, Clip	1
11	N/A	Decal, Op Instr, Ele	1
12	N/A	Decal, Op Instr, Gas Ps	1
13	N/A	Decal, Op Instr, Gas Ks	1
14	N/A	Decal, Op Instr, Limo Ab	1
15	N/A	Kit Instr, Steering Wheel	1



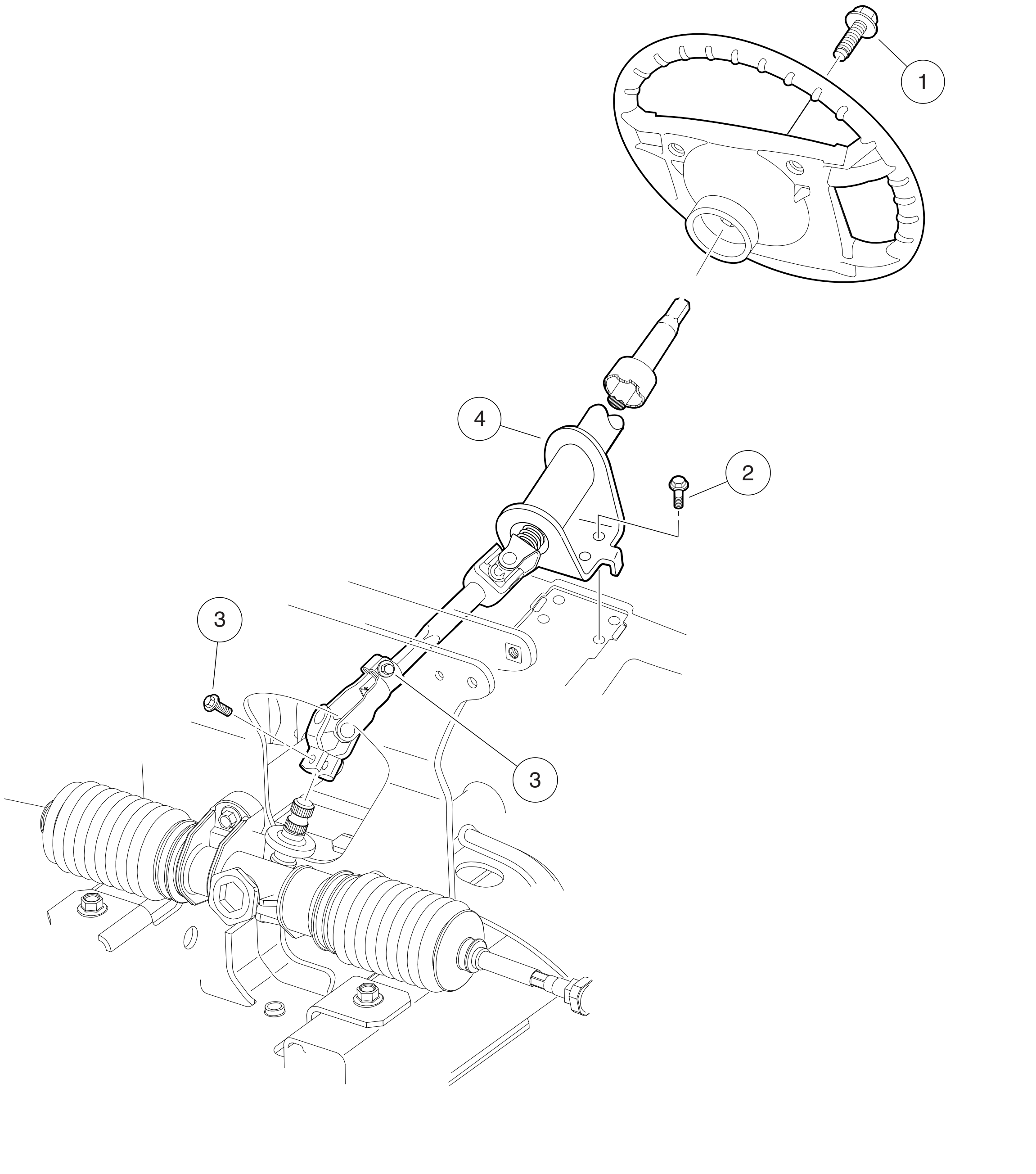
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STEERING WHEEL – PROFESSIONAL

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	101615602	Wheel Assy, Tri-Lobe Steering	1
2	1016219	Plate, Scorecard (includes items 3 through 7)	1
3	1012565	Screw, #12 Phillips Round Head	2
4	1012566	Tapered Compression Spring	2
5	1016154	Clip, Scorecard	1
6	N/A	Plate, Score Card	1
7	1016214	Pencil Grip	1
8	1016663	Screw, #12-14 X 0.625	2

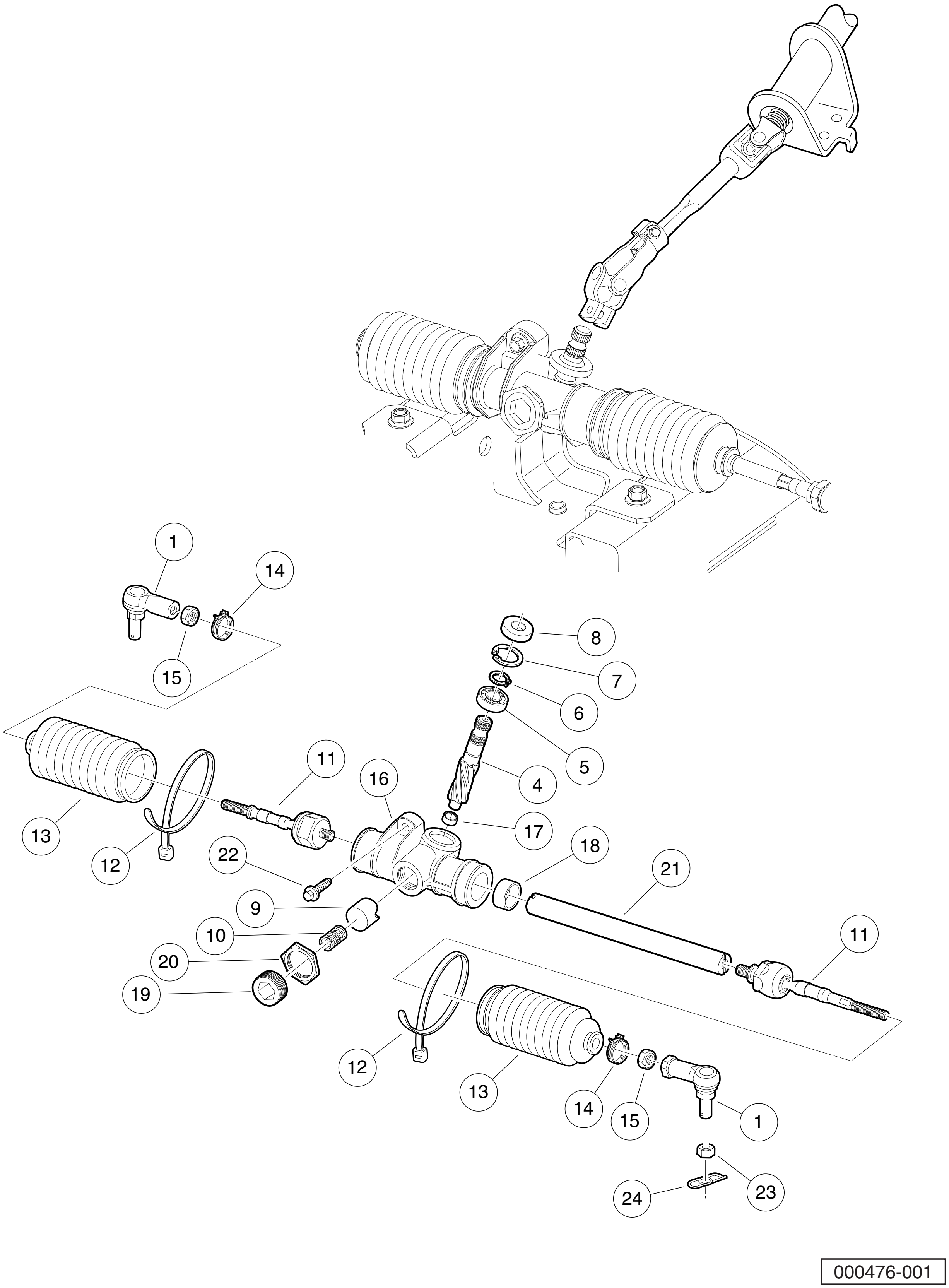

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ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	102290120	Bolt, M10 X 20 Hex Washer Hd	1
2	102298116	Bolt - Flanged Hd, M8 X 16.0	4
3	102298130	Bolt, Flange Head, M8 X 30.0	2
4	103209501	Assy, Steering Column, Ld	1
5	103810201	Kit, Prec Lower Yoke, Wanda	1


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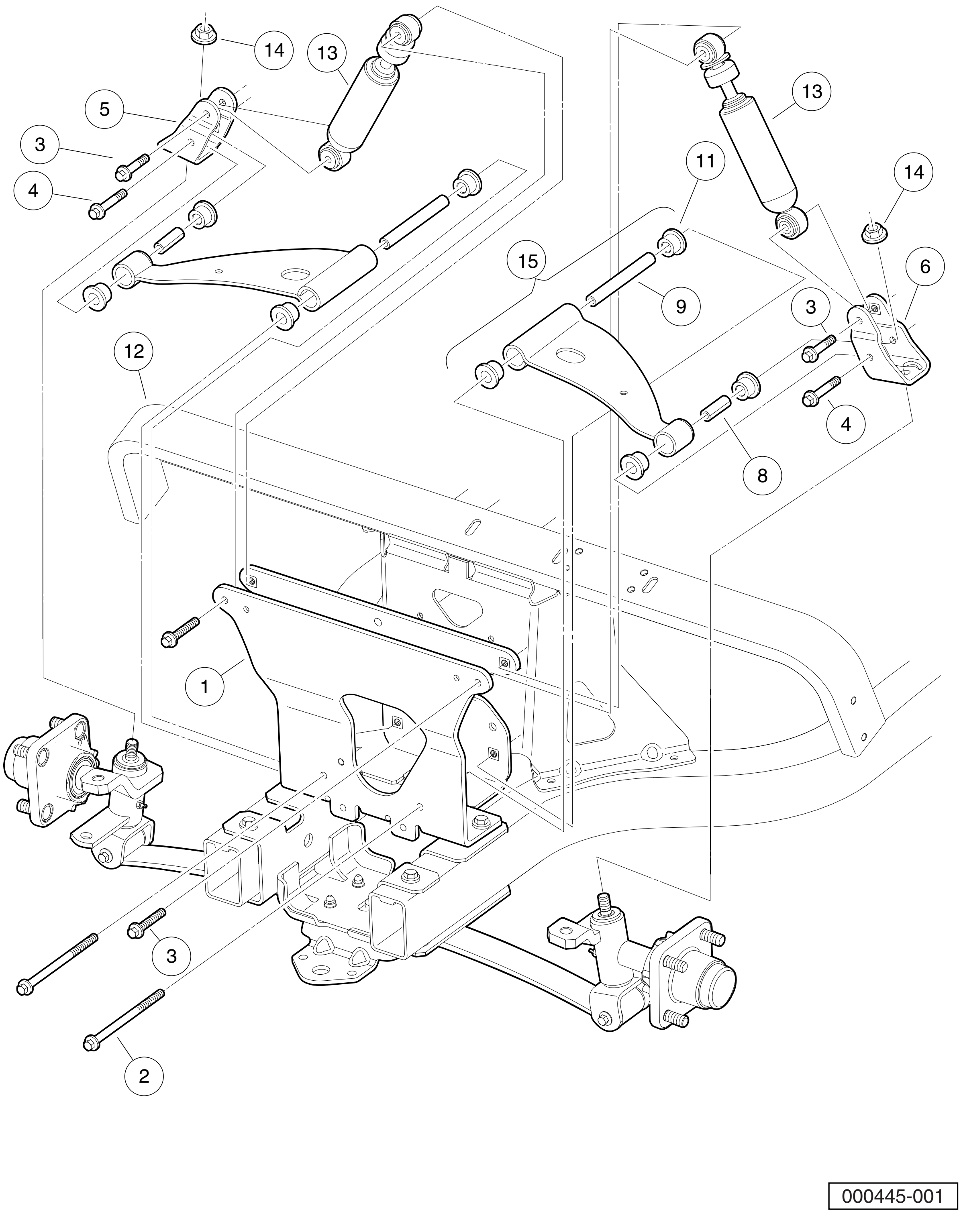
STEERING COLUMN – ELECTRIC VEHICLES

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	102290120	Bolt, M10 X 20 Hex Washer Hd	1
2	102298116	Bolt - Flanged Hd, M8 X 16.0	4
3	102298130	Bolt, Flange Head, M8 X 30.0	2
4	102507101	Steering Column Assembly	1


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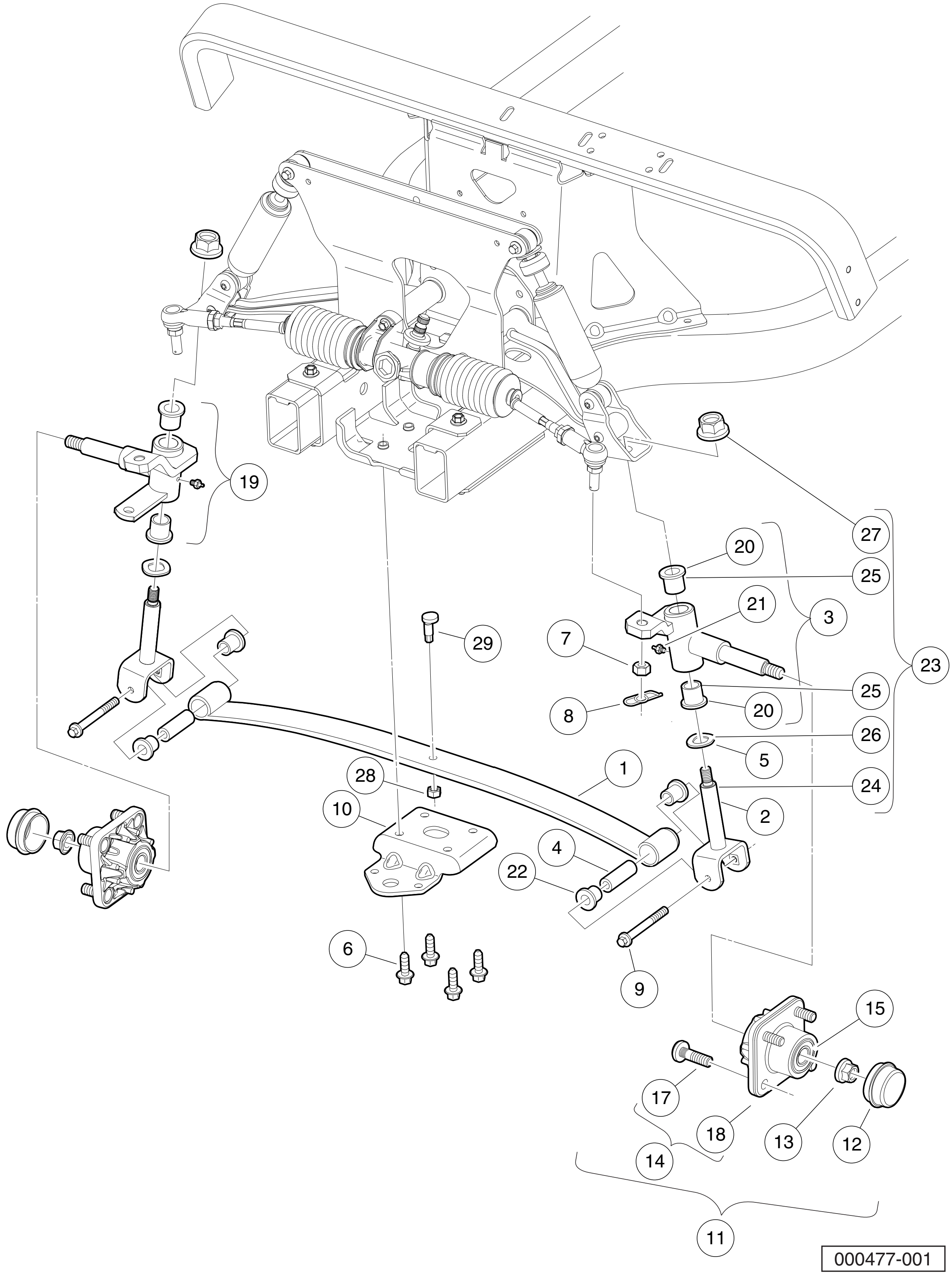
STEERING GEAR ASSEMBLY

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	102022601	End, Tie Rod M12 X 1.25 Rh	2
2	102288601	Steering Gear Box Assembly (includes items 3 through 21)	1
3	102564901	Asm, Pinion, Steer Gear, Prec (includes items 4 through 6)	1
4	N/A	Pinion, Steering	1
5	N/A	Bearing, Ball	1
6	N/A	Ring, Retaining	1
7	102565101	Ring, C-type, Stop, Prec	1
8	102565201	Seal, Dust, Steering, Pinion	1
9	102565301	Yoke, Support	1
10	102565401	Spring, Yoke, Prec	1
11	102565701	Assy, Ball Joint, Inner, Prec	2
12	102565801	Wrap, Tie, Steel, Prec	2
13	102565901	Bellows, Steering	2
14	102566001	Clip, Steering, Prec	2
15	102566101	Nut,m12-1.25,jam,steer,prec	2
16	N/A	Housing, Pinion (includes items 17 and 18)	1
17	N/A	Bearing, Needle	1
18	N/A	Bushing, Rack	1
19	N/A	Plug, Yoke	1
20	N/A	Nut, Lock, Rack Screw	1
21	N/A	Rack, Steering	1
22	102289001	Screw, M8X1.25X30, Hex	3
23	102289201	Nut - Hex Locking, M12 X 1.25	2
24	102289301	Rue Ring - 1/2"	2


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ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	102287101	Assembly - Front Structure	1
2	102288901	Bolt - Hex, M8x1.25 X 135	2
3	102289401	Screw- Hex Cap, M8 X 1.25 X 45	4
4	102289501	Screw- Hex Cap, M8 X 1.25 X 70	2
5	102289601	Upper Clevis Assembly - Rh	1
6	102289701	Upper Clevis Assembly - Lh	1
7	102289901	Kit, Susp, Bushing Joints (includes items 8 through 11)	1
8	102287601	Sleeve - Rolled, Outer	2
9	102287701	Sleeve - Rolled, Inner	2
10	102288101	Sleeve - Rolled, Spring	2
11	102956201	Bushing, Urethane, Short, Prec	12
12	102505701	Assembly, Dash Support	1
13	102588601	Shock Absorber Front Prv Spd	2
14	102878201	Nut, Lock,m12,washer,conical	2
15	103388501	Asm, 3 Piece A-arm, Bushings	2

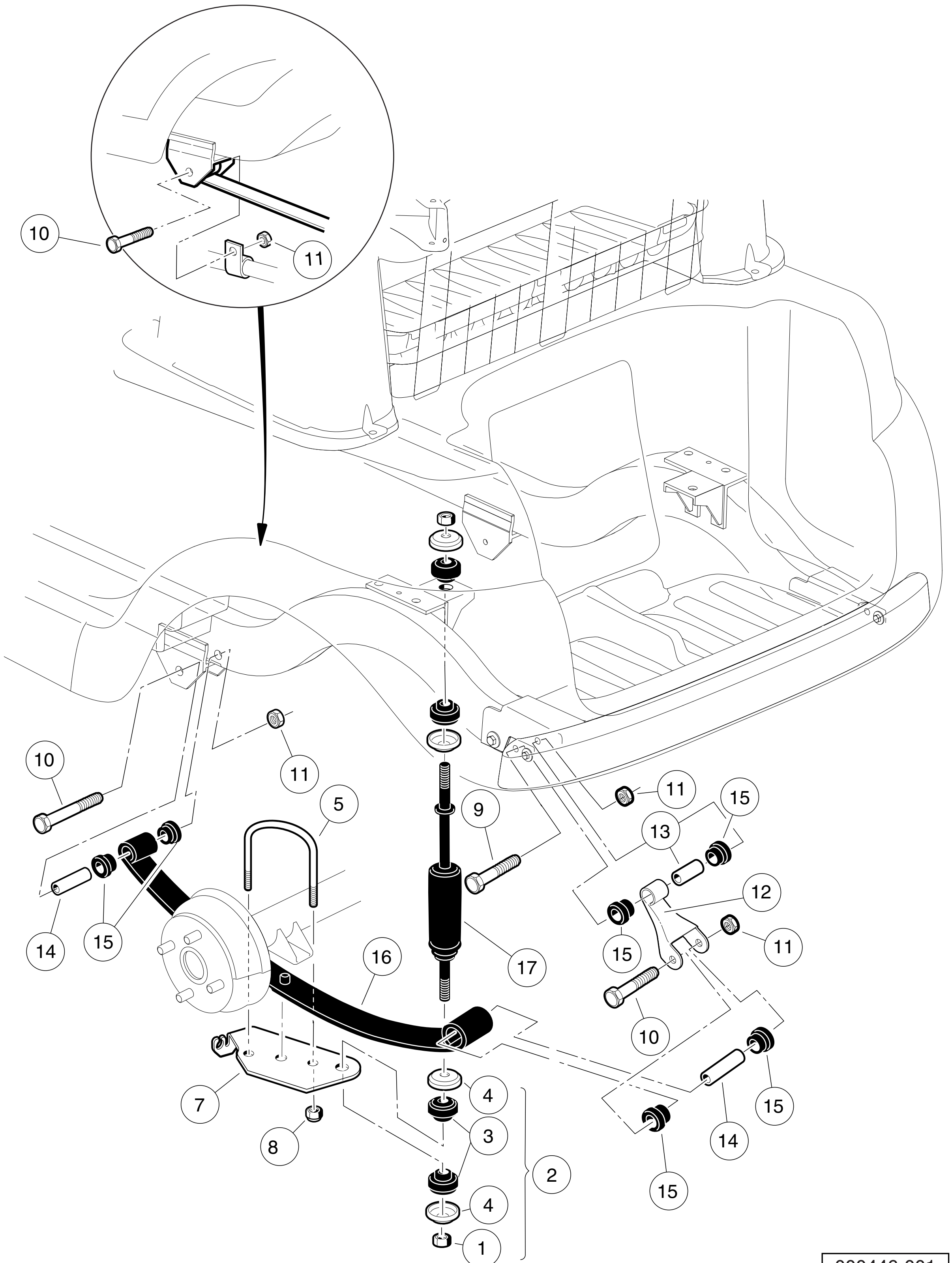
Note: Item 15 includes bushings and sleeves. Item 7 (not shown) includes bushings and sleeves for control arms, and front suspension leaf spring. See lower suspension page for illustration of item 10.


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ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1012030	Spring, Front Leaf	1
2	102287201	Assembly - King Pin	2
3	102287901	Knuckle Spindle Asm - Lh	1
4	102288101	Sleeve - Rolled, Spring	2
5	102288401	Wave Washer - Kingpin	2
6	102289101	Screw-m10x1.5, Trilob, Hex Fl	4
7	102289201	Nut - Hex Locking, M12 X 1.25	2
8	102289301	Rue Ring - 1/2"	2
9	102289501	Screw- Hex Cap, M8 X 1.25 X 70	2
10	102289801	Clamp - Leaf Spring	1
11	102357701	Replacement Kit, Front Hub (includes items 12 through 14)	1
12	102353201	Cap, Front Hub	1
13	102353301	Hex Nut, Locking Flange, M14x2	1
14	N/A	Asm, Front Hub, Bb, Long Stud (includes items 15 through 18)	1
15	N/A	Bearing, Ball, 6204	2
16	N/A	Spacer, Bearing, Front Hub, Pm	1
17	103477901	Lug Stud, 1/2-20 Unf, 4037	4
18	N/A	Front Hub, Ball Brg, Long Stud	1
19	102878101	Assy, Knuckle, Right Side (includes items 20 and 21)	1
20	N/A	Bushings, Knuckle Spindle Asym	2
21	N/A	Fitting, Grease, Knuckle Spindle Asym	1
22	102956201	Bushing, Urethane, Short, Prec	4
23	102973801	Kit, Susp, Kingpin Joints (includes items 24 through 27)	1
24	102287201	Assembly - King Pin	2
25	102288201	Bushing - Flanged	4
26	102288401	Wave Washer - Kingpin	2
27	102878201	Nut, Lock,m12,washer,conical	2
28	706	Nut, Hex 3/8-16	1
29	8745	Screw, Eccentric Adjustment	1

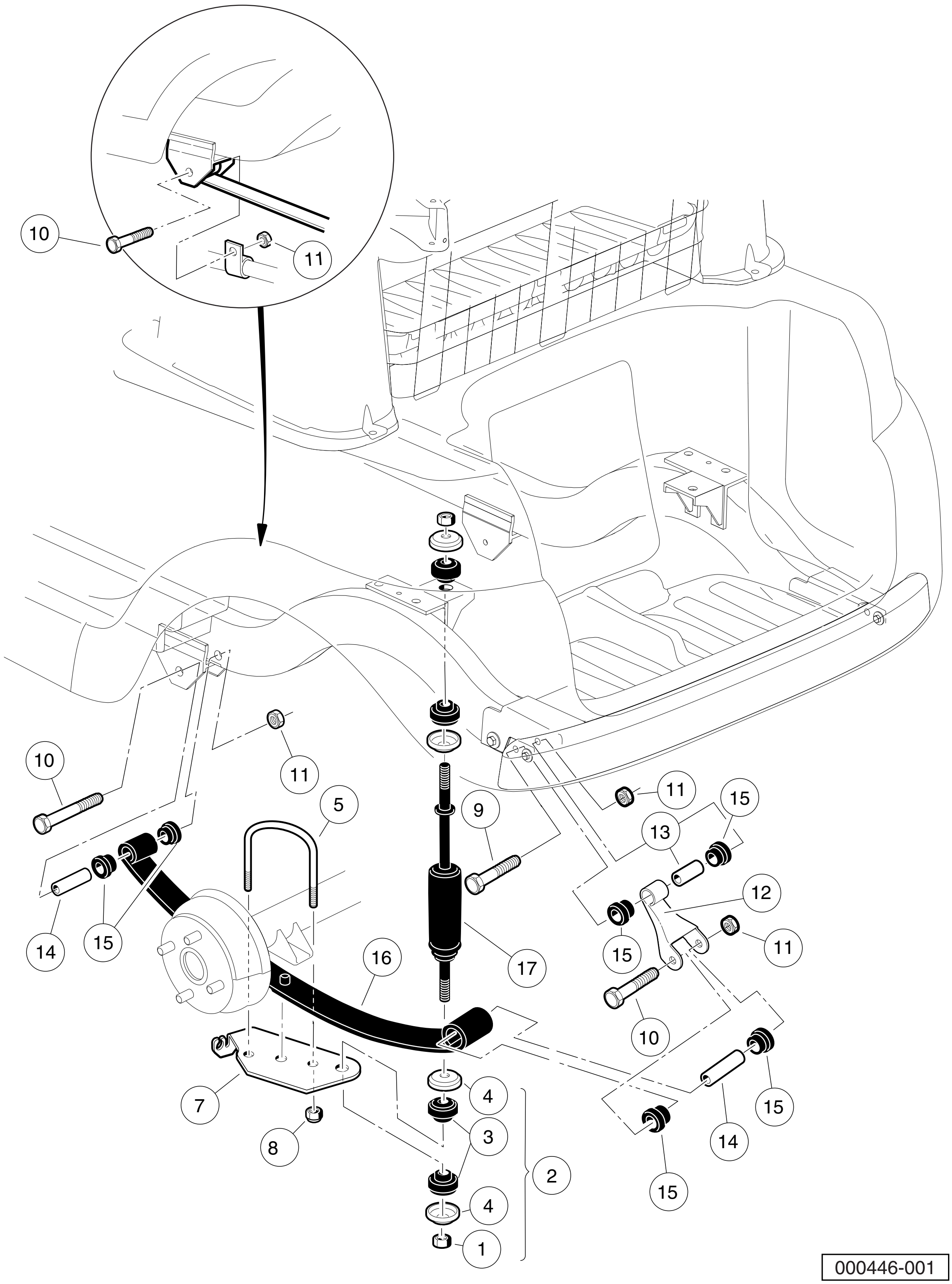
Note: Note: Item 15 not used in all applications.

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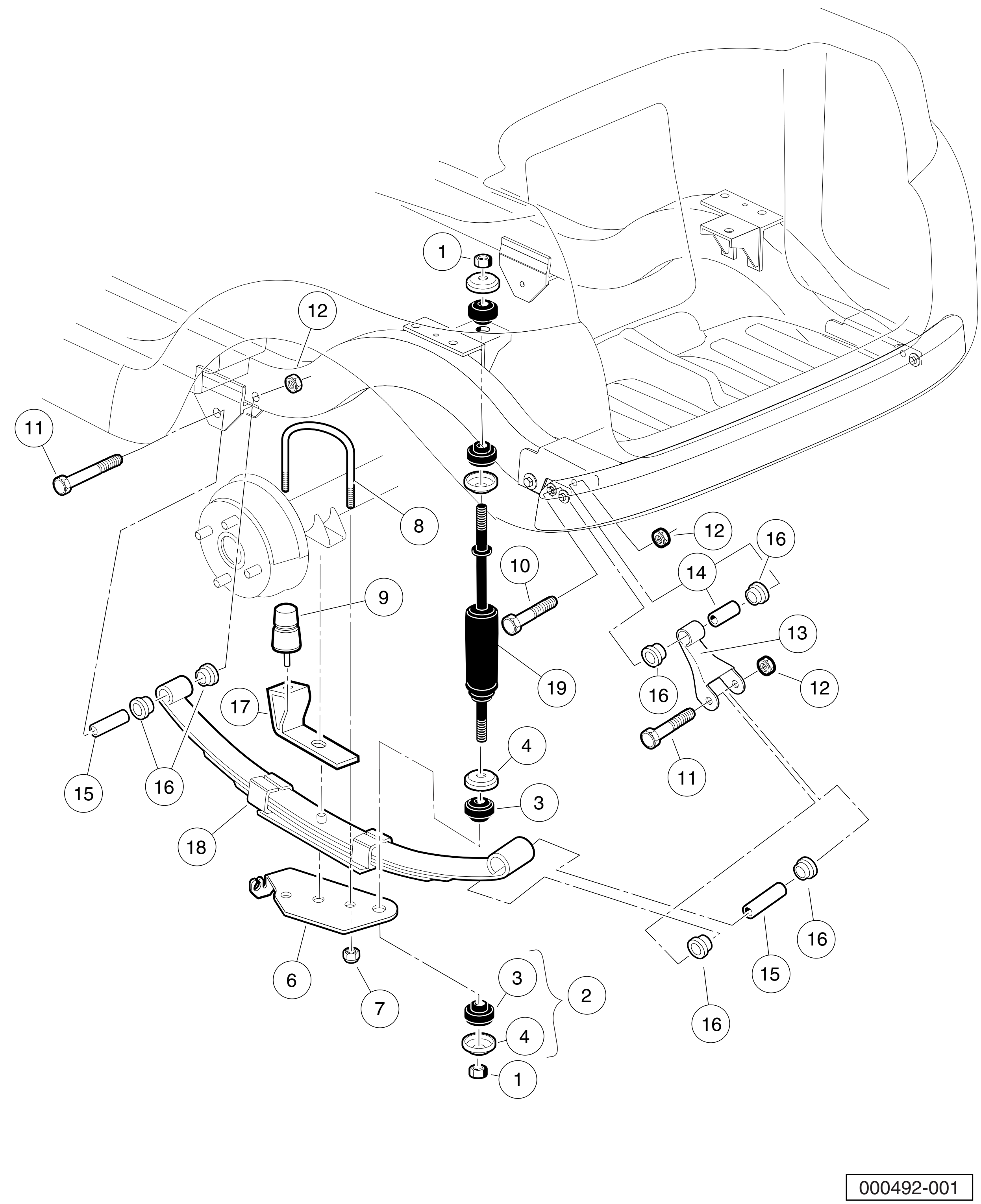
REAR SUSPENSION – GASOLINE VEHICLE

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1010145	Nut, 3/8-24 Hex	4
2	1011415	Kit, Shock Absorber Cushion (includes items 3 and 4)	2
3	1010142	Cushion, Shock Absorber	2
4	1010144	Retainer, Shock Absorber Cushion	2
5	1012180	U-Bolt	2
6	1012181	Bracket, Shock Mounting, Right (Passenger)	1
7	1012182	Bracket, Shock Mounting, Left (Driver)	1
8	1014555	Locknut, 7/16-14 Nylon Hex	4
9	102298170	Bolt - Flange Hd, M8 X 70.0	2
10	102298185	Bolt - Flange Hd, M8 X 85.0	4
11	102298401	Nut,m8,all Metal Lock	6
12	102506201	Shackle - Rear	2
13	102506301	Sleeve - Shackle Upper	2
14	102506401	Sleeve - Spring Eye Mounts	4
15	102506601	Bushing - Urethane	12
16	102513001	Rear Leaf Spring, Gas	2
17	102588501	Shock Absorber Rear Prv Spd	2


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REAR SUSPENSION – ELECTRIC VEHICLE

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1010145	Nut, 3/8-24 Hex	4
2	1011415	Kit, Shock Absorber Cushion (includes items 3 and 4)	2
3	1010142	Cushion, Shock Absorber	2
4	1010144	Retainer, Shock Absorber Cushion	2
5	1012180	U-Bolt	2
6	1012181	Bracket, Shock Mounting, Right (Passenger)	1
7	1012182	Bracket, Shock Mounting, Left (Driver)	1
8	1014555	Locknut, 7/16-14 Nylon Hex	4
9	102298170	Bolt - Flange Hd, M8 X 70.0	2
10	102298185	Bolt - Flange Hd, M8 X 85.0	4
11	102298401	Nut,m8,all Metal Lock	6
12	102506201	Shackle - Rear	2
13	102506301	Sleeve - Shackle Upper	2
14	102506401	Sleeve - Spring Eye Mounts	4
15	102506601	Bushing - Urethane	12
16	102509301	Rear Leaf Spring, Elec	2
17	102588501	Shock Absorber Rear Prv Spd	2


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REAR SUSPENSION – PRECEDENT VILLAGER 4

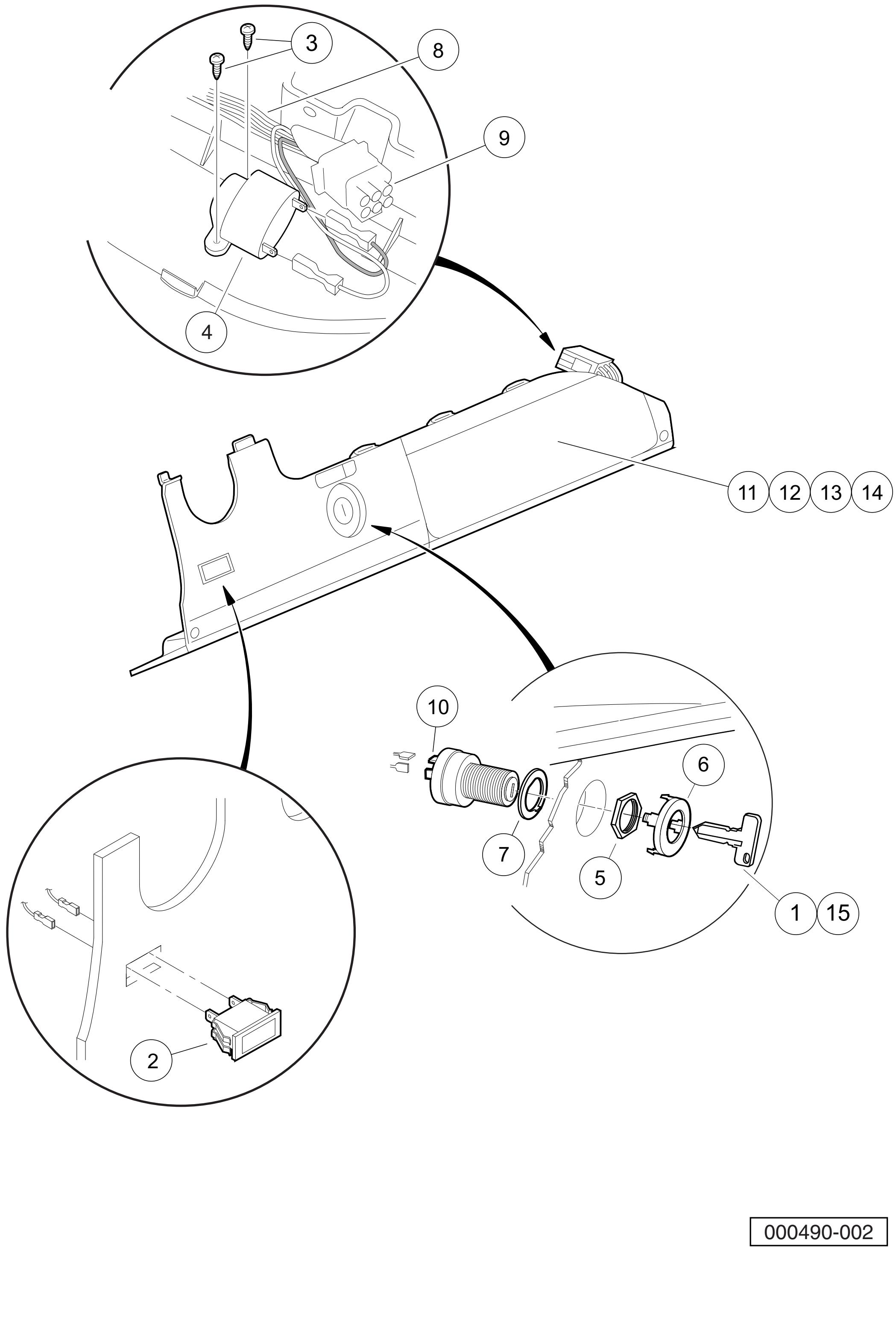
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ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1010145	Nut, 3/8-24 Hex	4
2	1011415	Kit, Shock Absorber Cushion (includes items 3 and 4)	2
3	1010142	Cushion, Shock Absorber	2
4	1010144	Retainer, Shock Absorber Cushion	2
5	1012181	Bracket, Shock Mounting, Right (Passenger)	1
6	1012182	Bracket, Shock Mounting, Left (Driver)	1
7	1014555	Locknut, 7/16-14 Nylon Hex	4
8	1014902	U-Bolt	2
9	1017235	Bumper, Jounce	2
10	102298170	Bolt - Flange Hd, M8 X 70.0	2
11	102298185	Bolt - Flange Hd, M8 X 85.0	4
12	102298401	Nut,m8,all Metal Lock	6
13	102506201	Shackle - Rear	2
14	102506301	Sleeve - Shackle Upper	2
15	102506401	Sleeve - Spring Eye Mounts	4
16	102506601	Bushing - Urethane	12
17	102534801	Jounce Bumper Bracket	2
18	102544901	Spril, Leaf, Rear	2
19	102588501	Shock Absorber Rear Prv Spd	2

ELECTRICAL SYSTEM – GASOLINE VEHICLE

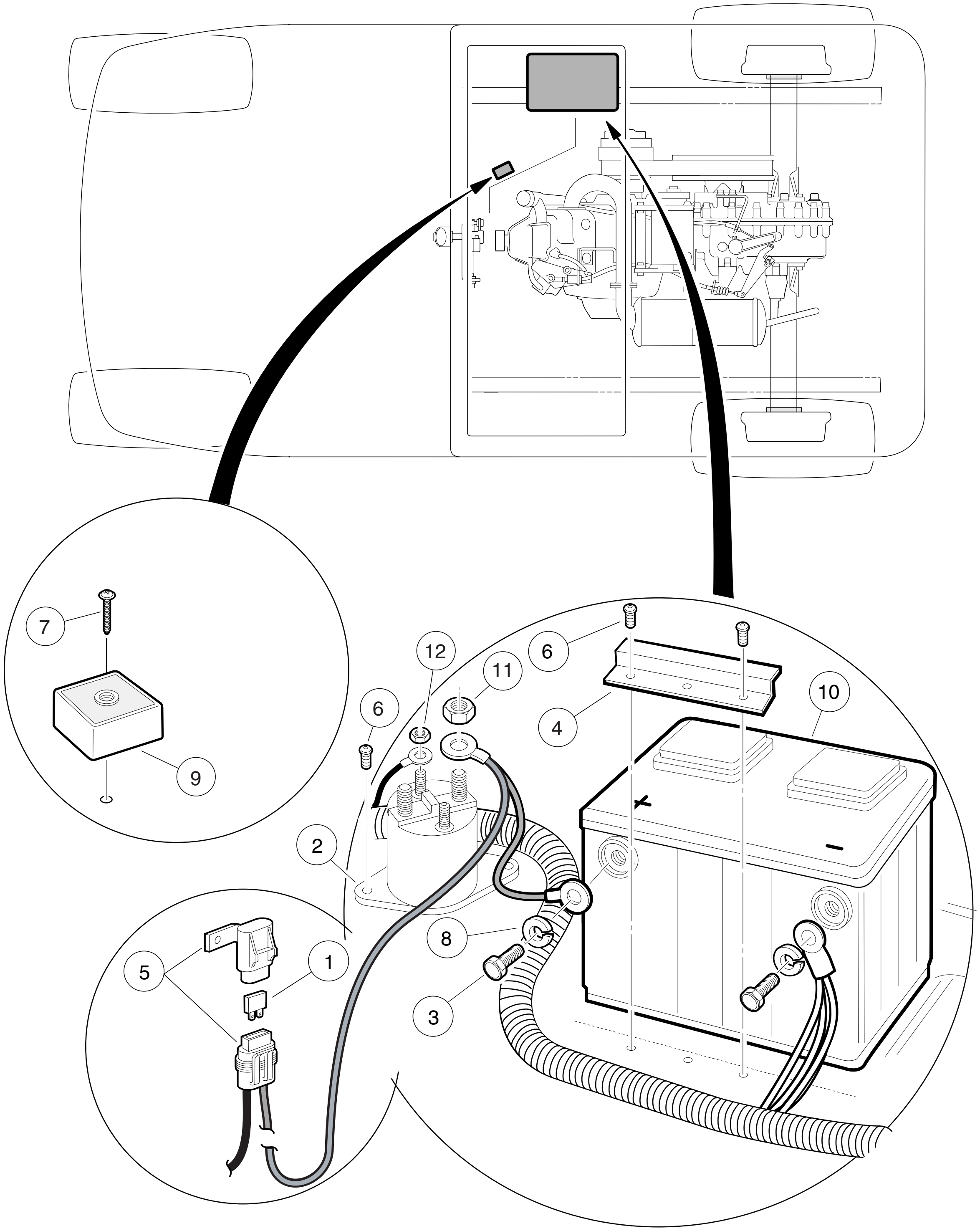
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ELECTRICAL COMPONENTS, FRONT BODY – GASOLINE VEHICLE

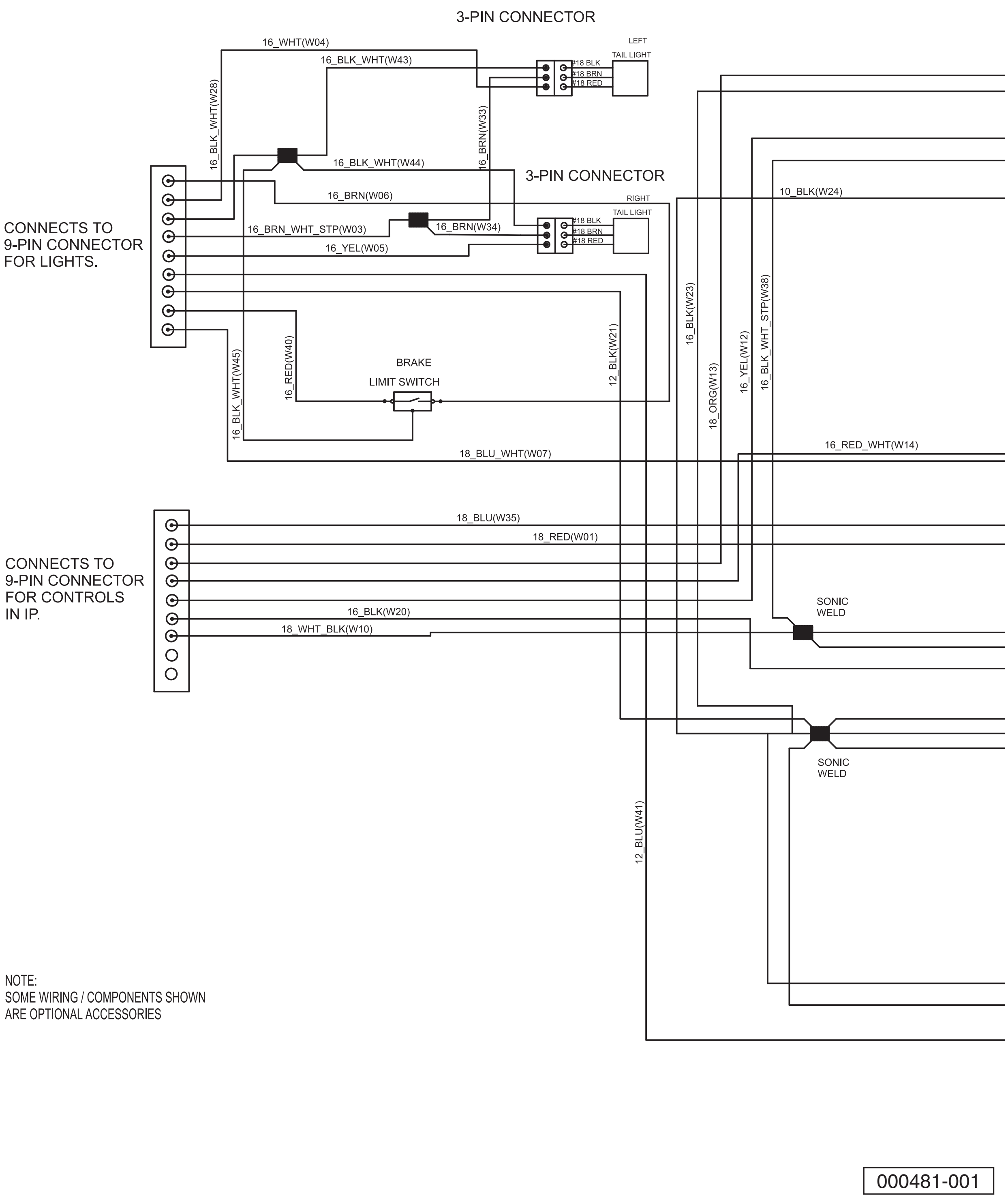
ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1012505	Keys (set of 2)	1
2	1016630	Light, Oil	1
3	1016849	Screw, #4-24 X 0.33 Pan-Head Machine	2
4	1016851	Buzzer, Reverse (9-48 VDC)	1
5	101830701	Nut, Key Switch	1
6	101834502	Cap, Black Key Switch	1
7	101851101	Washer, Key Switch	1
8	102515001	Ip Control Harness, Gas (includes item 9)	1
9	N/A	Connector, Plug 9-pin	1
10	102515101	Key Switch, Gas, Prec	1
11	102522901	Instrument Panel (standard)	1
12	102536601	Instrument Panel (with Hole for Headlight Switch)	1
13	102536602	Instrument Panel (with Hole for Fuel Gauge)	1
14	N/A	Instrument Panel (with Hole for Headlight Switch and Fuel Gauge)	1
15	AM10079	Bulk Std Keys (50) *	1
		* Note: Must order in multiples of 50.	

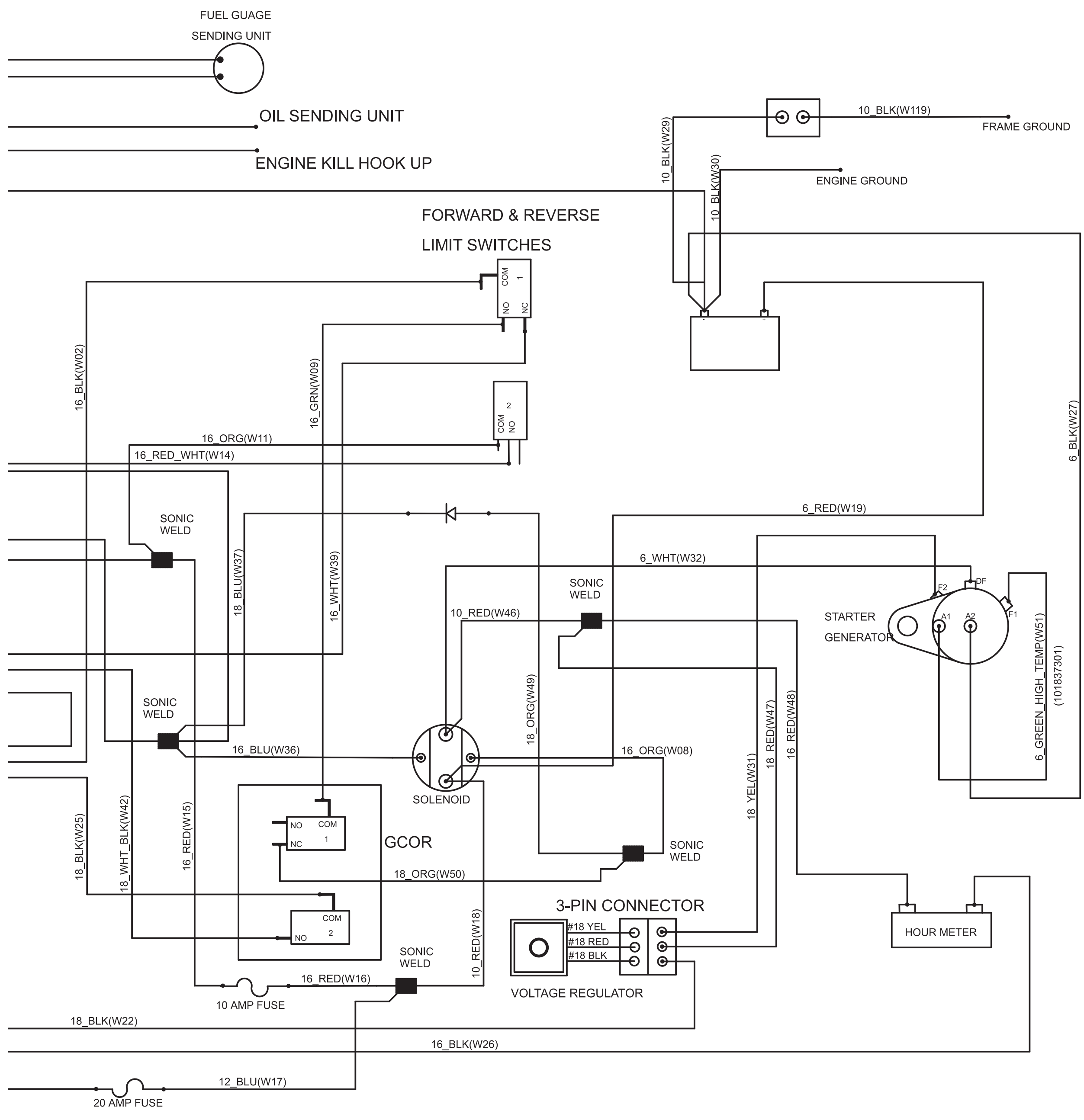


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BATTERY – GASOLINE VEHICLE

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1012295	Fuse, 10-Amp	1
2	1013609	Solenoid, 12-Volt	1
3	1014375	Screw, 3/8-16 X 0.50 Stainless Steel Hex-Head	2
4	101898001	Clamp, Battery	1
5	N/A	Cover, Fuse, Sealed, Metri	1
6	102296020	Screw, Torx Pan Hd Pt, M6 X 20	4
7	102296040	Screw, Torx Pan Hd Pt, M6 X 40	1
8	102355301	Lockwasher, #10 Split Ss	2
9	102803301	Asm, Voltage Regulator, Prec.	1
10	103496801	Battery, Start, 12v	1
11	1242	Nut, 5/16-18 Hex	2
12	7893	Nut, #10-32 Hex	2


3-PIN CONNECTOR
LEFT TAIL LIGHT
#18 BLK
#18 BRN
#18 RED
16_WHT(W04)
16_BLK_WHT(W43)
16_BLK_WHT(W28)
16_BRN(W33)
16_BLK_WHT(W44)
3-PIN CONNECTOR
RIGHT TAIL LIGHT
#18 BLK
#18 BRN
#18 RED
16_BRN(W06)
10_BLK(W24)
CONNECTS TO 9-PIN CONNECTOR FOR LIGHTS.
16_BRN_WHT_STP(W03)
16_BRN(W34)
16_YEL(W05)
16_BLK(W23)
16_YEL(W12)
16_BLK_WHT_STP(W38)
18_ORG(W13)
12_BLK(W21)
16_RED(W40)
16_BLK_WHT(W45)
BRAKE LIMIT SWITCH
18_BLU_WHT(W07)
16_RED_WHT(W14)
18_BLU(W35)
18_RED(W01)
CONNECTS TO 9-PIN CONNECTOR FOR CONTROLS IN IP.
16_BLK(W20)
18_WHT_BLK(W10)
SONIC WELD
SONIC WELD
12_BLU(W41)
NOTE:
SOME WIRING / COMPONENTS SHOWN ARE OPTIONAL ACCESSORIES
000481-001

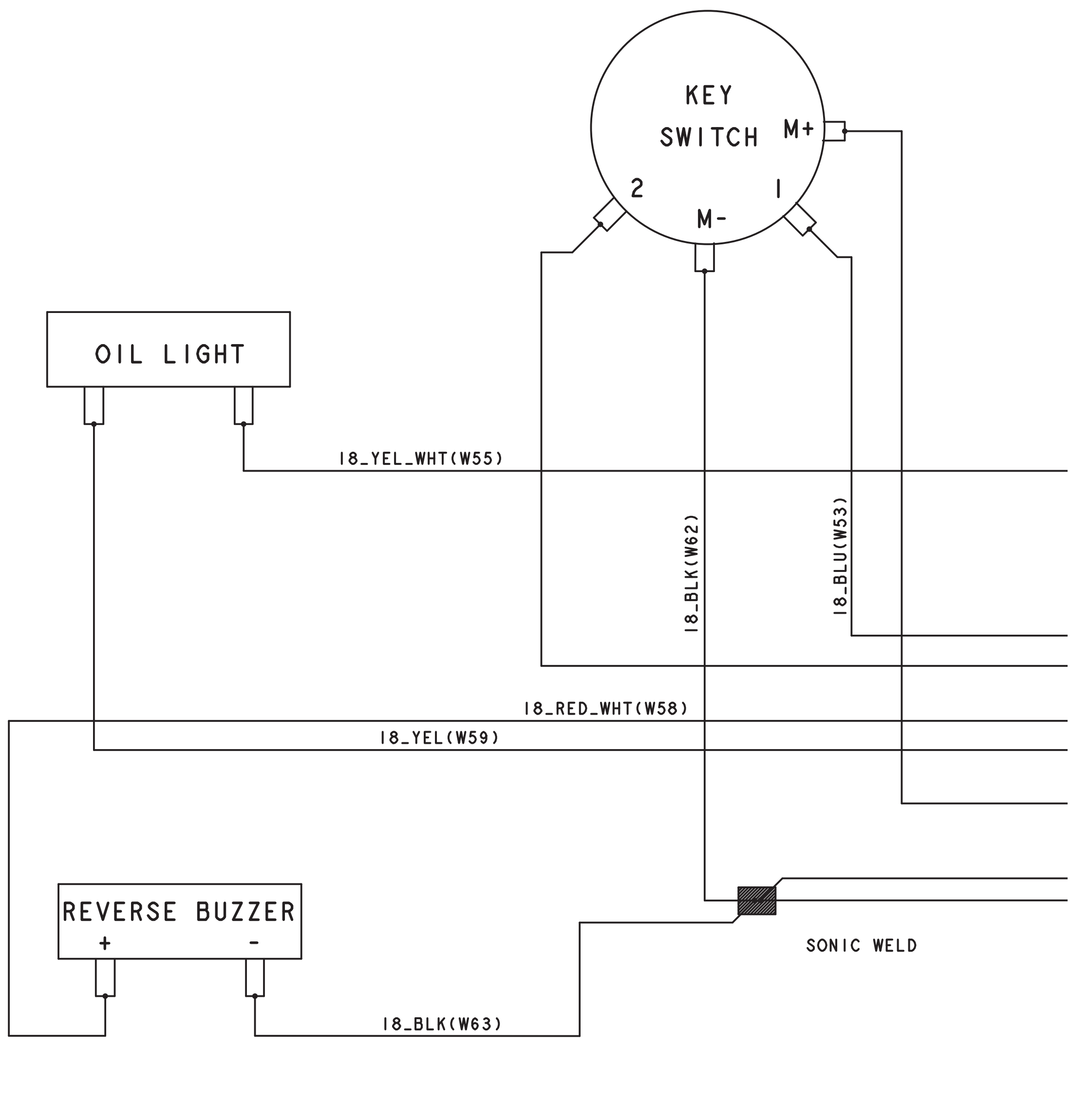

FUEL GUAGE
SENDING UNIT
OIL SENDING UNIT
ENGINE KILL HOOK UP
10_BLK(W119)
FRAME GROUND
10_BLK(W29)
10_BLK(W30)
ENGINE GROUND
FORWARD & REVERSE
LIMIT SWITCHES
COM
1
NO
NC
16_BLK(W02)
16_GRN(W09)
2
COM
NO
16_ORG(W11)
16_RED_WHT(W14)
6_BLK(W27)
6_RED(W19)
SONIC
WELD
18_BLU(W37)
16_WHT(W39)
6_WHT(W32)
STARTER
GENERATOR
F2
DF
A1
A2
F1
10_RED(W46)
6_GREEN_HIGH_TEMP(W51)
(101837301)
18_ORG(W49)
16_BLU(W36)
16_ORG(W08)
SOLENOID
18_YEL(W31)
18_RED(W47)
16_RED(W48)
18_BLK(W25)
18_WHT_BLK(W42)
16_RED(W15)
GCOR
18_ORG(W50)
3-PIN CONNECTOR
#18 YEL
#18 RED
#18 BLK
VOLTAGE REGULATOR
HOUR METER
10_RED(W18)
16_RED(W16)
10 AMP FUSE
18_BLK(W22)
16_BLK(W26)
12_BLU(W17)
20 AMP FUSE

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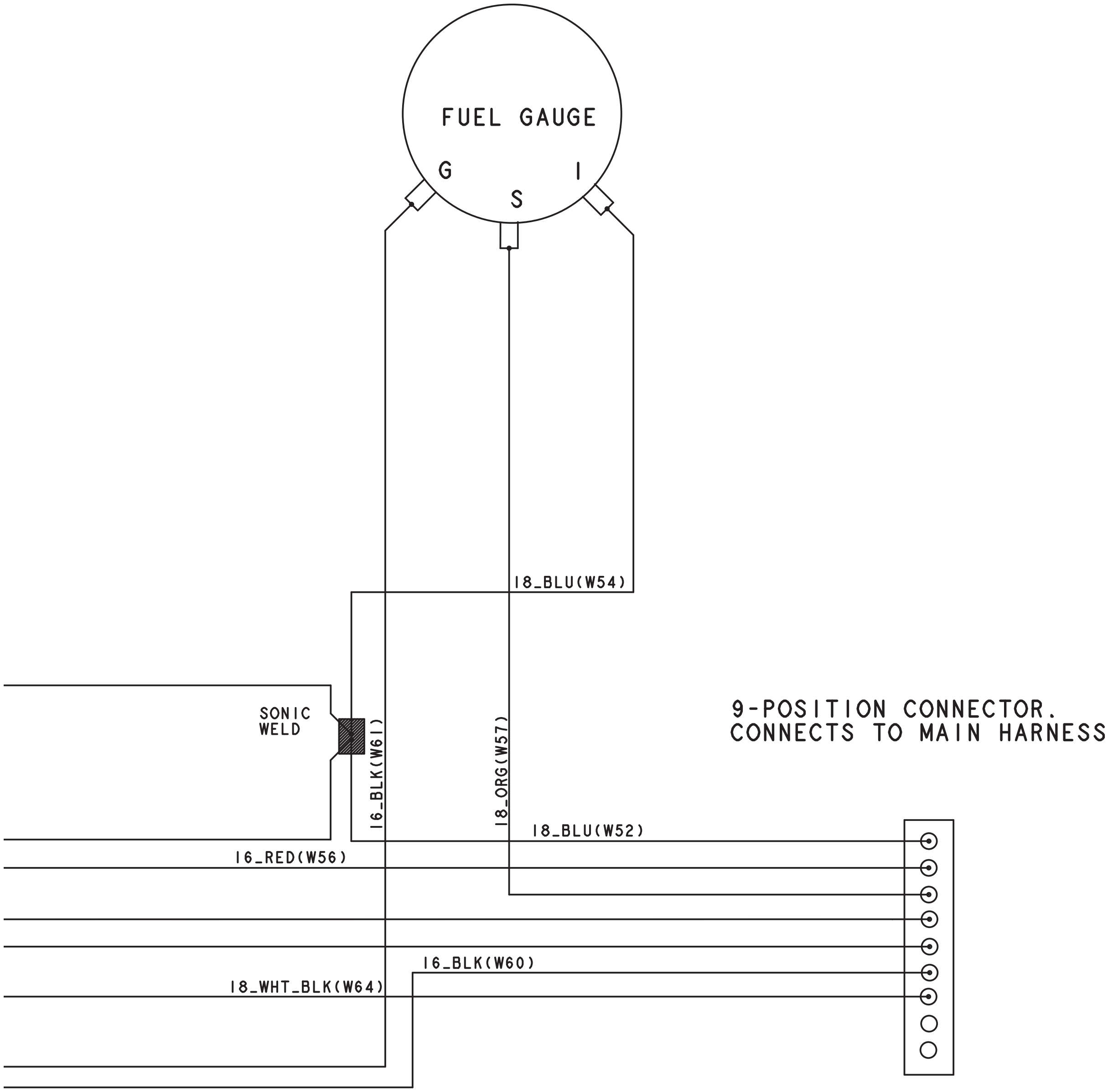
See previous two pages for illustration.

WIRING – GASOLINE VEHICLE

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	102586201	Main Harness, Gas	1


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OIL LIGHT
18_YEL_WHT(W55)
18_BLK(W62)
18_BLU(W53)
18_RED_WHT(W58)
18_YEL(W59)
REVERSE BUZZER
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SONIC WELD
18_BLK(W63)

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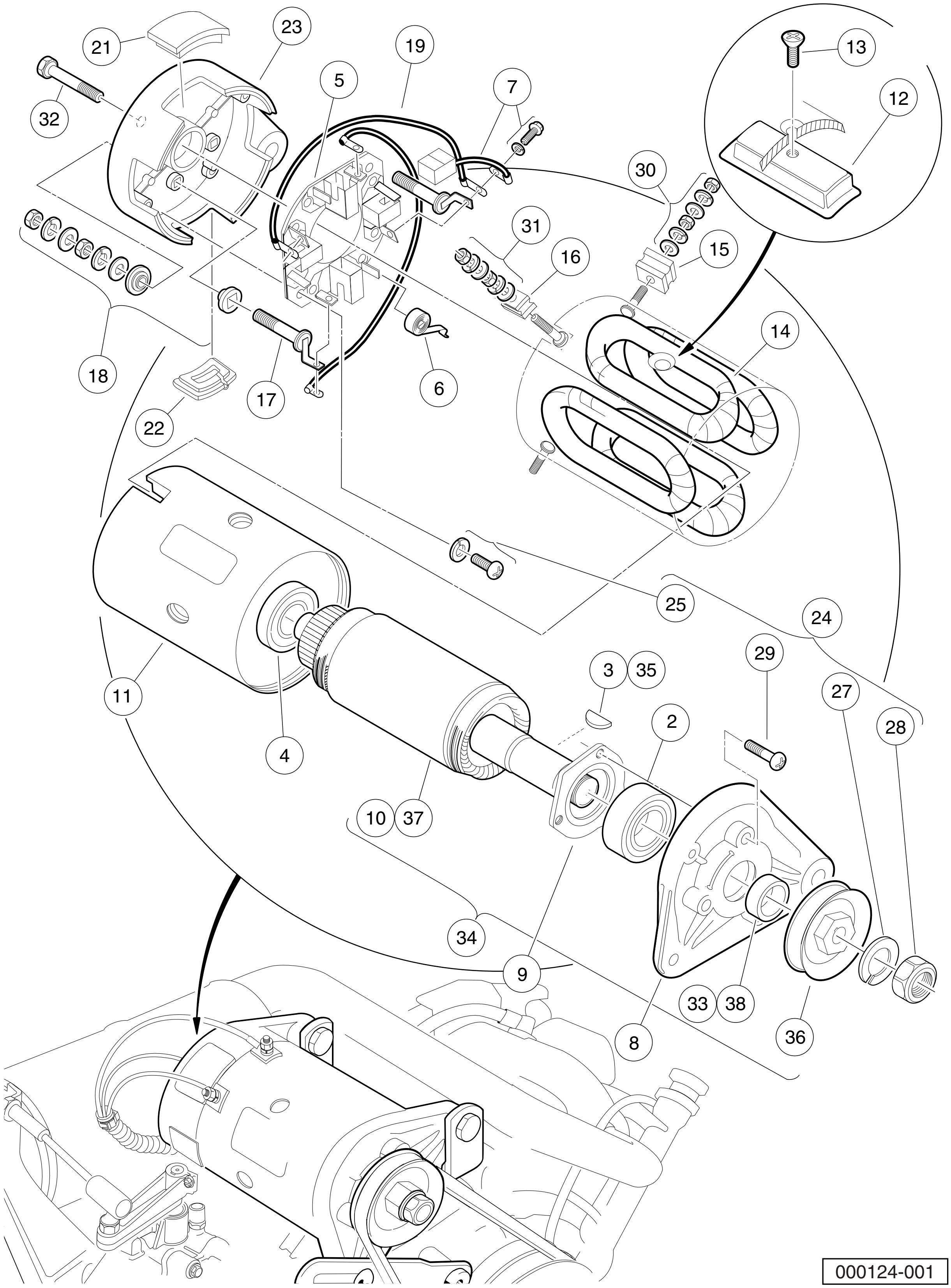

FUEL GAUGE
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18_BLU(W54)
SONIC
WELD
16_BLK(W61)
18_ORG(W57)
9-POSITION CONNECTOR.
CONNECTS TO MAIN HARNESS
18_BLU(W52)
16_RED(W56)
16_BLK(W60)
18_WHT_BLK(W64)

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See previous two pages for illustration.

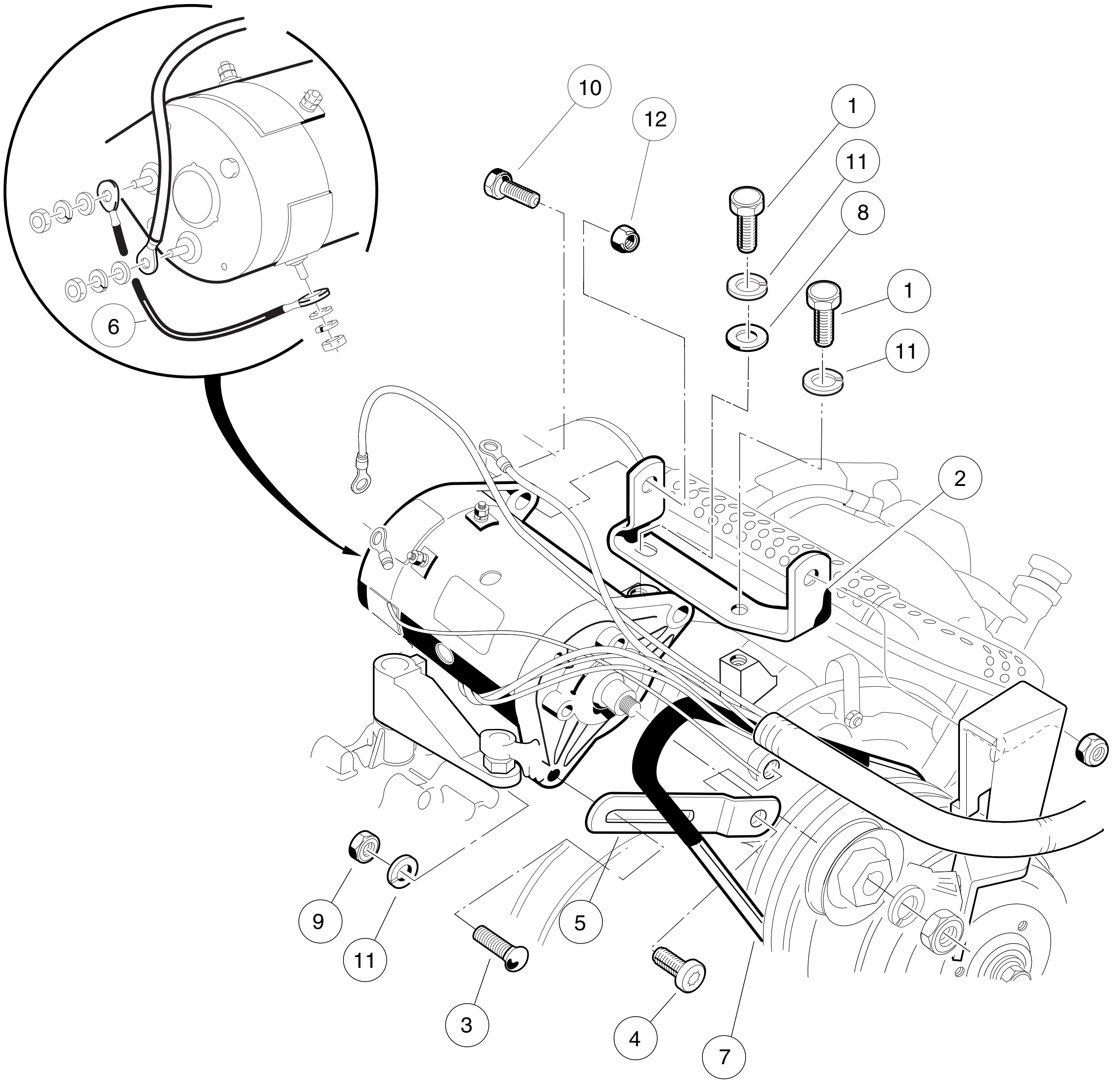
INSTRUMENT PANEL WIRE HARNESS

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	102515001	Ip Control Harness, Gas (includes item 2)	1
2	N/A	Connector, Plug 9-pin	1


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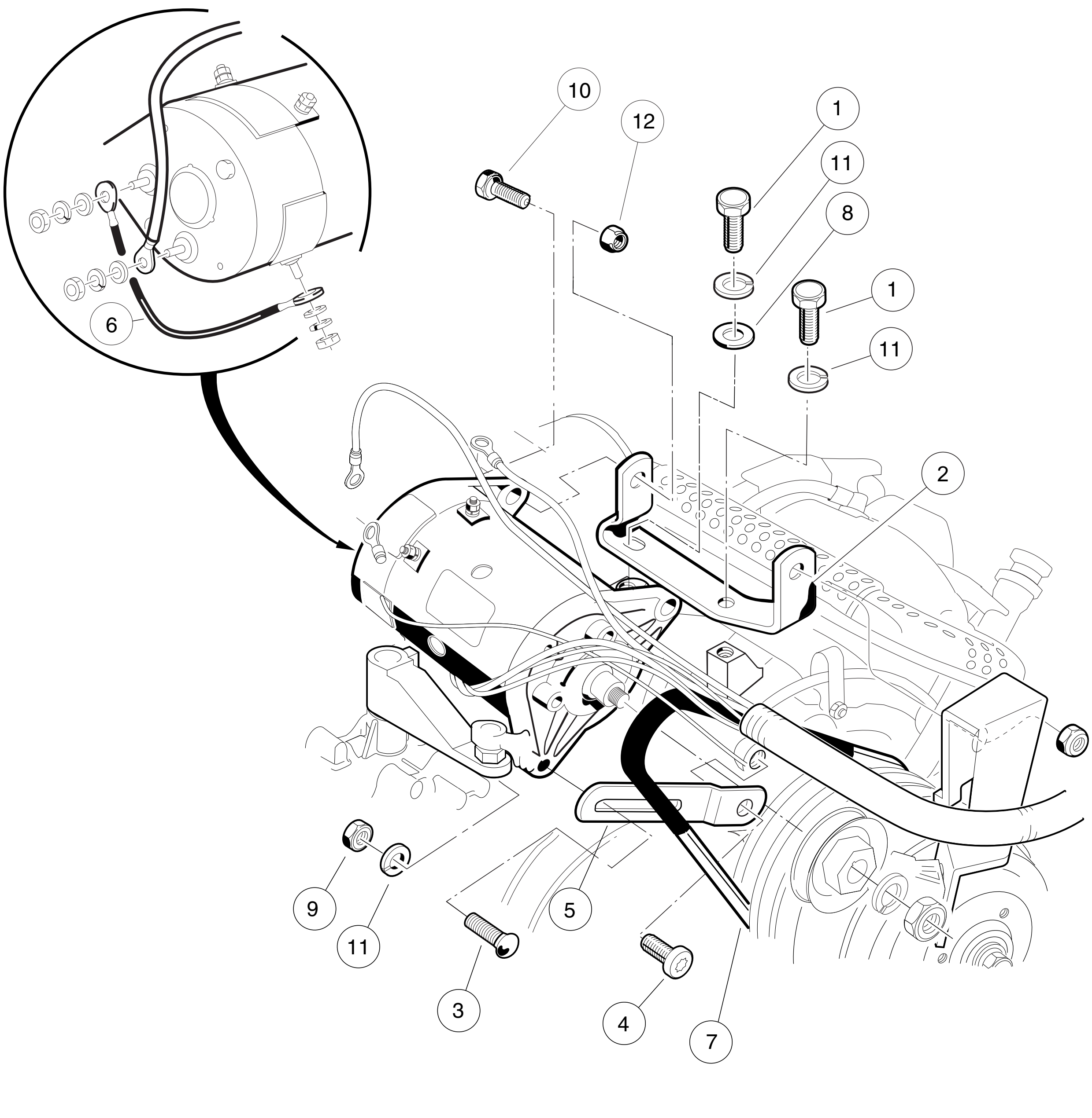
STARTER/GENERATOR ASSEMBLY
MODEL G425419 – GASOLINE VEHICLES

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	101833701	Starter/Generator (cw) (includes items 2 through 33)	1
2	1013001	Bearing, Output Shaft Ball	1
3	1013003	Key, Starter/Generator	1
4	1013005	Bearing, Ball	1
5	101301102	Brush Holder Assembly (cw) (includes item 6)	1
6	101878101	Brush Spring Set	4
7	101869302	Brush and Screw Set (cw)	1
8	101874901	Front Bracket	1
9	101875001	Retainer	1
10	101875101	Armature	1
11	101875201	Field Coil Housing	1
12	101875301	Pole Set	1
13	101875401	Screw Set	1
14	101875501	Field Stator Coil Assembly	1
15	101875601	F Insulator Set	2
16	101875701	DF Insulator	1
17	101875802	A Connector (cw)	1
18	101876001	Screw and Mold Assembly	2
19	101876202	Brush Connector Assembly (cw)	2
20	101876301	Cover Set (includes items 21 and 22)	1
21	N/A	Brush Inspection Port Cover	3
22	1017653	Brush Port Cover w/Drain	1
23	101876402	Rear Bracket (cw)	1
24	101876501	Nut and Screw Set (includes items 25 through 29)	1
25	101896501	Brush Holder Asm Screw	2
26	N/A	Washer, M5 Flat	1
27	N/A	Washer, M14 Lock	1
28	N/A	Nut, Hex, M14 x 2	1
29	N/A	Screw, M5 x 0.8 x 18mm	3
30	101877601	Nut and Washer Set	2
31	101877701	Nut and Washer Set	1
32	101879001	Through Bolt Set	2
33	101939901	Spacer	1
34	101875102	Armature Asm Conversion Kit (includes items 35 through 38)	1
35	1013003	Key, Starter/Generator	1
36	1014289	Pulley, Starter/Generator	1
37	101875101	Armature	1
38	101939901	Spacer	1
		Note: Item 36 will ONLY fit Model G425419 Starter/Generator.	


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STARTER/GENERATOR MOUNTING – FE290

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1012830	Screw, M8-125 X 22 Hex-Head	2
2	101524001	Bracket, Starter/Generator Mounting (FE290)	1
3	1015932	Bolt, Carriage, 5/16-18	1
4	1016074	Screw, M8-1.25 X 18mm Torx	1
5	1016883	Bracket, Starter/Generator Adjustment	1
6	101837301	Wire Assy, #6 Green	1
7	101916701	V-Belt	1
8	1241	Washer, 5/16 Type A Flat	1
9	1242	Nut, 5/16-18 Hex	1
10	1624	Screw, 3/8-16 X 1.50 Hex-Head Cap	2
11	7174	Lockwasher, 5/16 Split	3
12	8754	Locknut, 3/8-16 Hex	2


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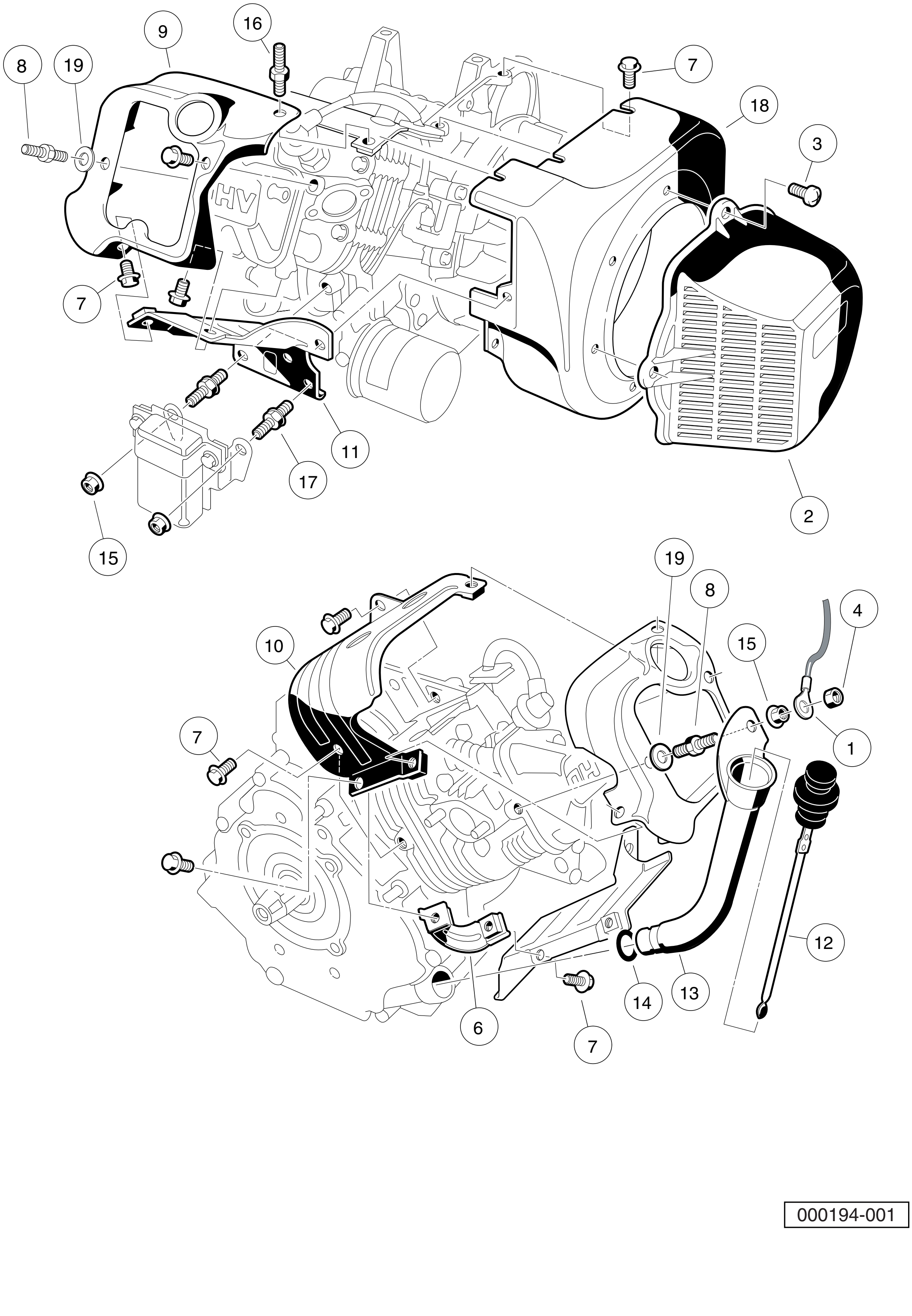
STARTER/GENERATOR MOUNTING – FE350

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1012830	Screw, M8-125 X 22 Hex-Head	2
2	101524002	Bracket, Starter/Generator Mounting	1
3	1015932	Bolt, Carriage, 5/16-18	1
4	1016074	Screw, M8-1.25 X 18mm Torx	1
5	1016883	Bracket, Starter/Generator Adjustment	1
6	101837301	Wire Assy, #6 Green	1
7	101916701	V-Belt	1
8	1241	Washer, 5/16 Type A Flat	1
9	1242	Nut, 5/16-18 Hex	1
10	1624	Screw, 3/8-16 X 1.50 Hex-Head Cap	2
11	7174	Lockwasher, 5/16 Split	3
12	8754	Locknut, 3/8-16 Hex	2

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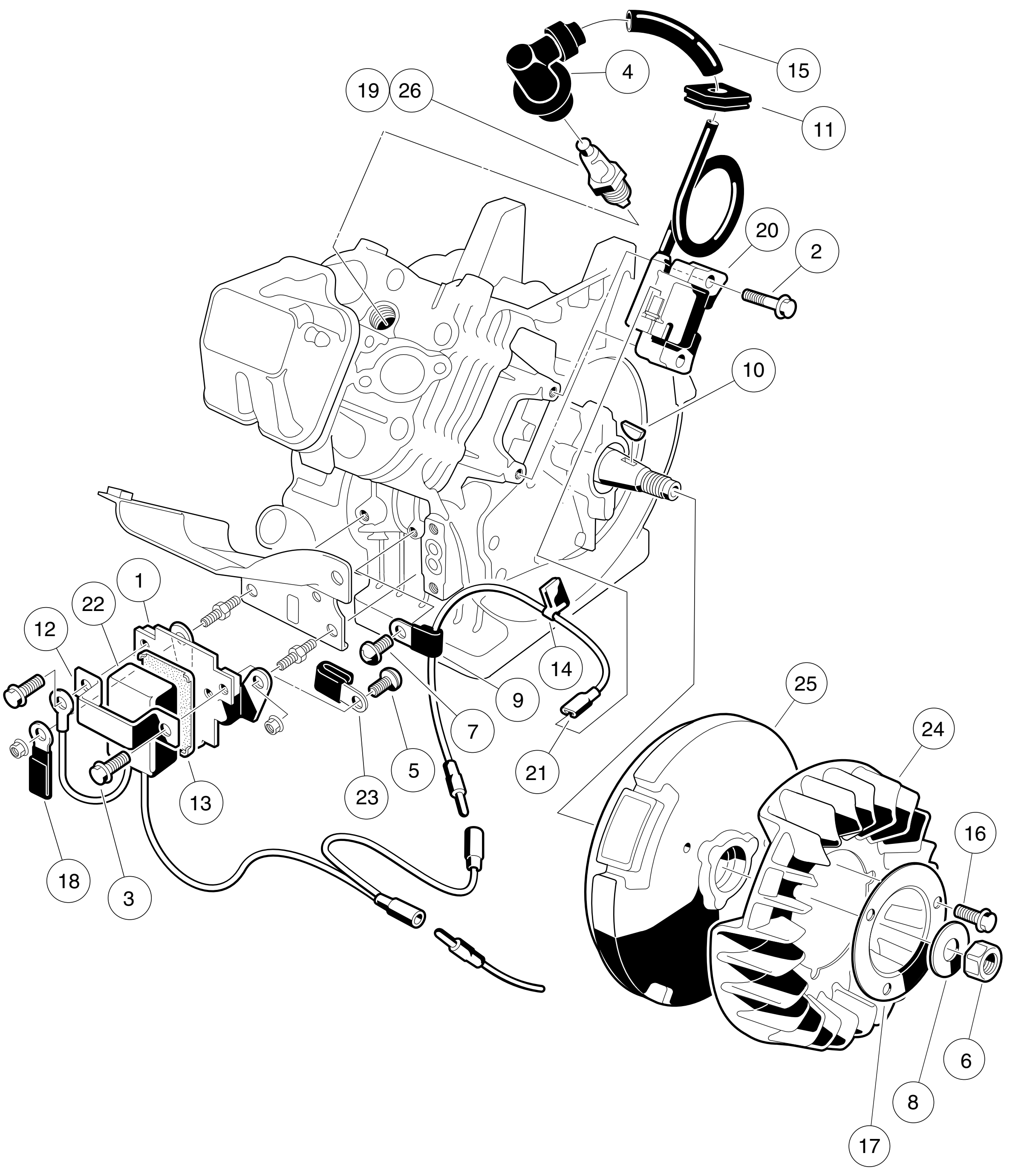
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FE290 ENGINE


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FE290 ENGINE – SHROUDS AND BRACKETS

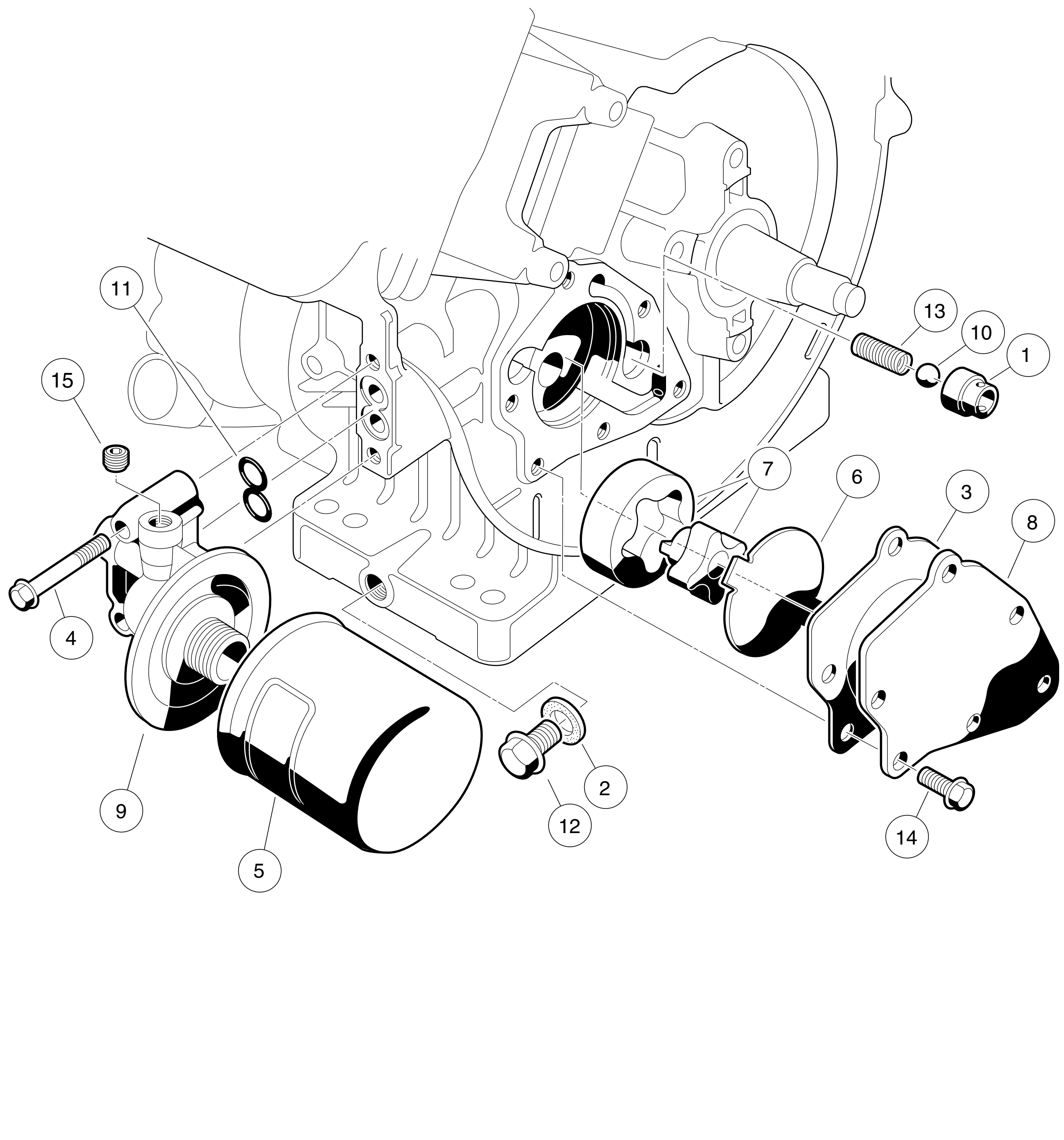
ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1015332	Wire Assembly, #10, Uninsulated	1
2	1015649	Shroud, Fan	1
3	1015969	Screw, M6-1.00 X 10mm Pan Hd	4
4	101887601	Locknut, M6-1.00 Nylon Insert	1
5	101953901	Engine, FE290 (cw) * (includes items 6 through 19)	1
6	1016443	Bracket	1
7	1016456	Bolt, Flange Head, M6 x 1 x 12 mm	15
8	1016507	Bolt, Two-Ended	1
9	1016524	Shroud, Engine, FE290D	1
10	1016525	Shroud, Engine, FE290D	1
11	1016526	Shroud, Engine, FE290D	1
12	1016531	Dipstick	1
13	1016536	Tube, Oil Filler, FE290D	1
14	1016539	O-Ring	1
15	1016547	Nut, M6 Flange	3
16	1017221	Screw, M6-1.00 Stud	1
17	101909701	Stud, M6-1.00, Two-Ended	2
18	101915601	Housing, FE290 Fan	1
19	N/A	Washer, 6 mm Flat	1
		* Note: FE290 engine component listings span several pages.	



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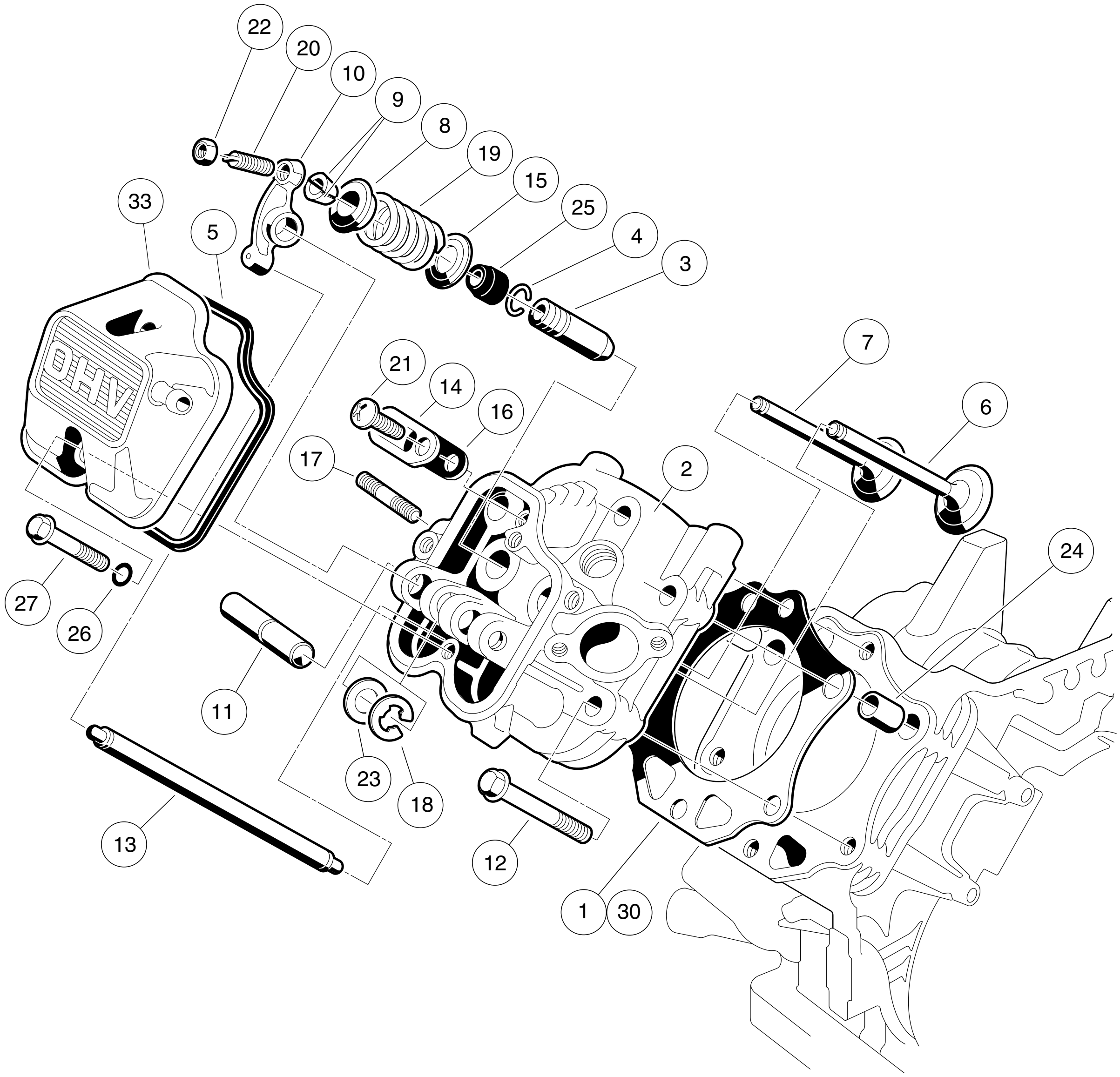
FE290 ENGINE – IGNITION COMPONENTS AND FLYWHEEL

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1016445	Bracket, RPM Limiter	1
2	1016455	Bolt, Flange Head	2
3	1016456	Bolt, Flange Head, M6 x 1 x 12 mm	2
4	1016493	Cap, Spark Plug	1
5	1016497	Screw, Pan WP Cross	1
6	1016505	Nut, Hex, Fine	1
7	1016544	Screw	1
8	1016548	Washer, M16 Flat	1
9	1016561	Clamp	1
10	1016562	Key	1
11	1016578	Ignition, Grommet	1
12	1016579	Band, RPM Limiter Mount	1
13	1016586	Damper, RPM Limiter	1
14	1016587	Clamp	1
15	1016588	Tube, 7mm X 10mm X 70mm	1
16	1017448	Bolt, Flanged	3
17	1017455	Plate, Flywheel Fan	1
18	1017468	Clamp	1
19	101881101	Spark Plug, OHV (Autolite)	1
20	101909201	Coil, Ignition	1
21	101909301	Lead Wire Assy	1
22	101909401	Limiter, RPM	1
23	N/A	Clamp, Steel	1
24	101915801	Fan, FE290 (cw)	1
25	101929301	Flywheel, Complete	1
26	AM10724	Spark Plug, OHV (NGK)	1


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FE290 ENGINE – OIL CIRCULATION

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1016429	Seat, Value Oil Press Relief	1
2	1016432	Gasket, Drain Plug	1
3	1016435	Gasket, Oil Pump	1
4	1016457	Bolt, Flange Head	2
5	1016467	Filter, Oil	1
6	1016473	Plate, Oil Pump	1
7	101648203	Oil Pump And Rotor	1
8	1016484	Cover, Pump	1
9	1016502	Bracket, Oil Filter Mount	1
10	1016537	Ball, Steel, Press, Relief	1
11	1016570	O-Ring	1
12	1016576	Plug, Drain	1
13	1016581	Spring	1
14	1017456	Bolt, Flanged	6
15	1017507	Plug	2

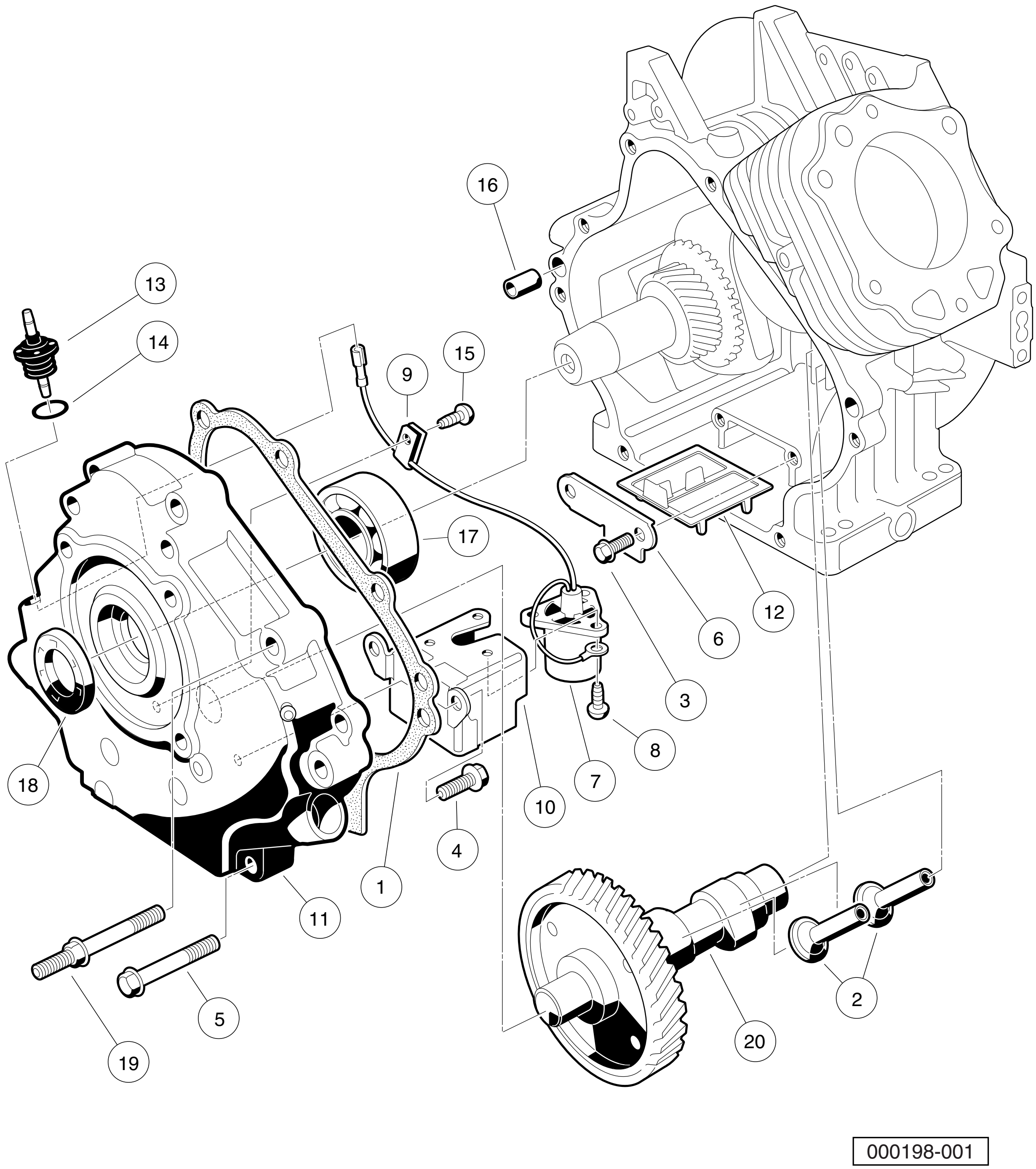

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FE290 ENGINE – CYLINDER HEAD

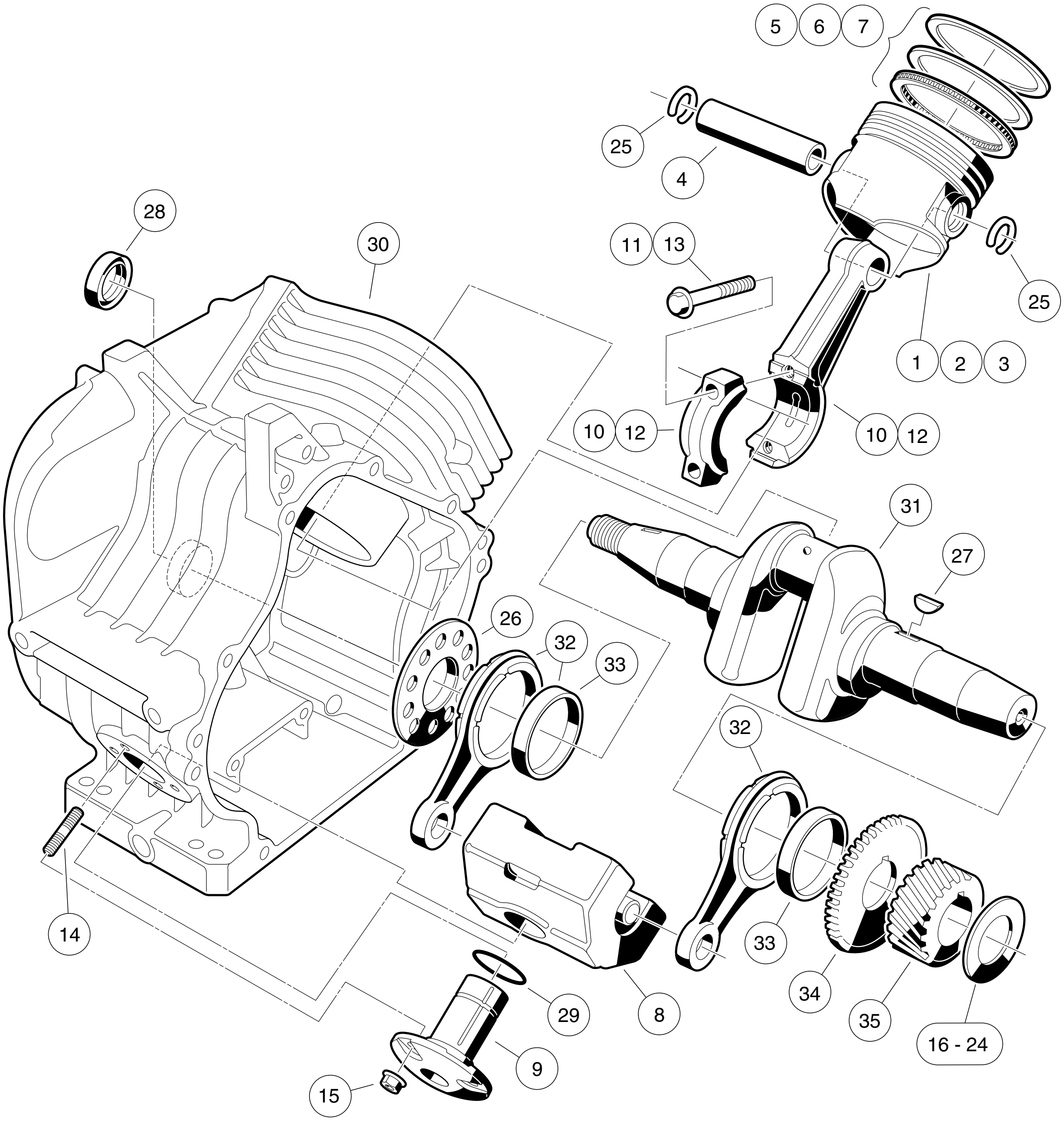
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ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1016430	Gasket, Head, FE290	1
2	1016431	Head Assembly, FE290 Cylinder (includes items 3 and 4)	1
3	1016519	Guide, Valve	2
4	1016560	Snap Ring	2
5	1016436	Gasket, Rocker Case	1
6	1016447	Valve, Intake	1
7	1016448	Valve, Exhaust	1
8	1016449	Retainer, Valve Spring	2
9	1016450	Collet	4
10	1016451	Arm, Rocker	2
11	1016452	Shaft, Rocker	1
12	1016458	Bolt, Flange Head, M8 x 1.25 x 45 mm	6
13	1016471	Rod, Push	2
14	1016474	Plate	1
15	1016479	Seat, Spring	2
16	1016483	Valve	1
17	1016489	Stud, Two-Ended, M8-1.25	2
18	1016517	Circlip, Type-E	1
19	1016523	Spring, Engine Valve	2
20	1016542	Screw	2
21	1016544	Screw	1
22	1016545	Nut	2
23	1016549	Washer, 12.1x19x1.8	1
24	1016563	Pin	2
25	1016566	Seal, Oil	2
26	1016569	O-Ring	2
27	1016583	Bolt, 6x35	2
28	102304701	Kit, Gasket, FE290 (includes items 29 through 32)	1
29	1015330	Gasket, Exhaust	1
30	1016430	Gasket, Head, FE290	1
31	1016440	Gasket, Engine to Insulator	1
32	1016446	Gasket, Crankcase Cover	1
33	102753401	Case, Rocker	1


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FE290 ENGINE – CRANKCASE, CAMSHAFT, AND OIL SENSOR

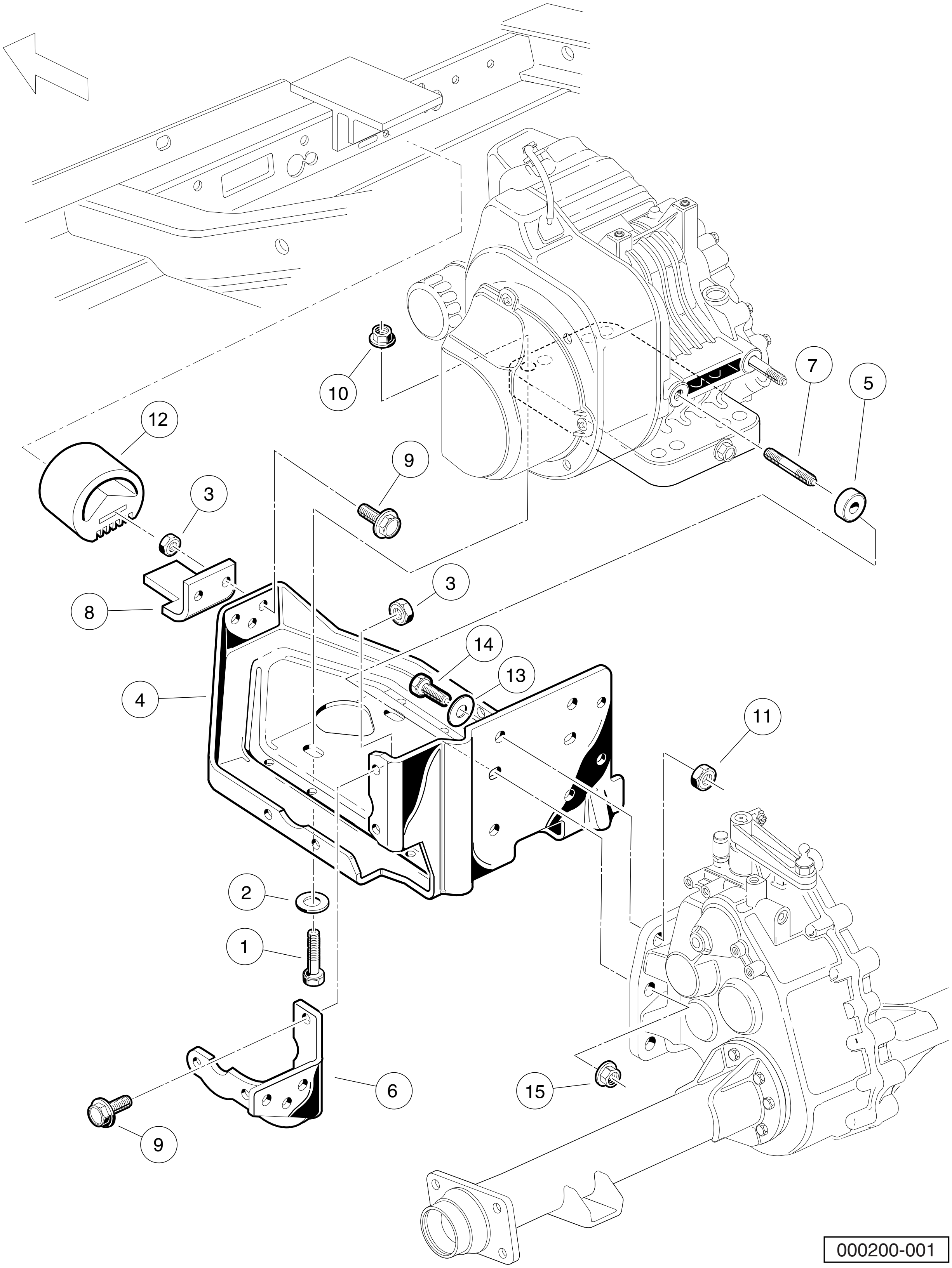
ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1016446	Gasket, Crankcase Cover	1
2	1016453	Tappet	2
3	1016454	Bolt, Flange Head, M5 x 0.8 x 8 mm	2
4	1016456	Bolt, Flange Head, M6 x 1 x 12 mm	2
5	1016458	Bolt, Flange Head, M8 x 1.25 x 45 mm	6
6	1016472	Plate, Oil Filter Screen	1
7	1016494	Sensor, Oil Level	1
8	1016496	Screw, Cross Pan-Head, M4 x 0.7 x 8 mm	3
9	1016506	Clamp	1
10	1016510	Bracket, Switch, Oil Level	1
11	1016520	Cover, Crankcase	1
12	1016521	Screen, Oil Filter	1
13	1016535	Connector, Cord	1
14	1016538	O-Ring	1
15	1016544	Screw	1
16	1016564	Pin	2
17	1016565	Bearing, Ball	1
18	1016567	Seal, Crankshaft	1
19	1016584	Bolt, Two-Ended, M8 x 1.25 x 69 mm	2
20	101915401	Camshaft Complete, FE290	1


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FE290 ENGINE – CRANKCASE AND CRANKSHAFT

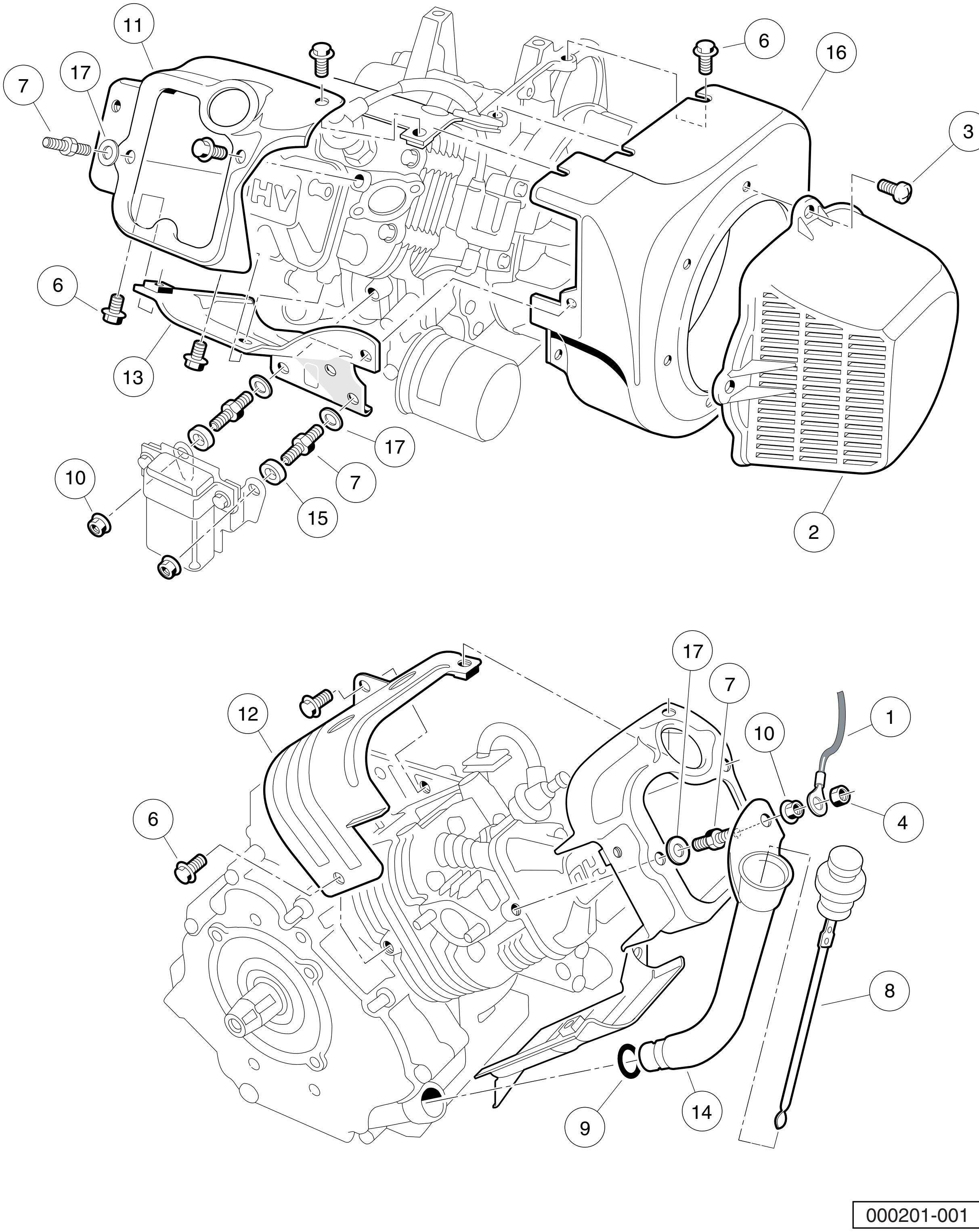
ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	101645901	Piston	1
2	101645902	Piston, Engine 0.25 mm Over	1
3	101645903	Piston, Engine 0.50 mm Over	1
4	1016460	Pin, Piston	1
5	101646101	Ring Set, Piston	1
6	101646102	Ring Set, Piston 0.25 mm Over	1
7	101646103	Ring Set, Piston 0.50 mm Over	1
8	1016469	Weight, Counterbalance	1
9	1016470	Shaft, Guide, Counterbalance	1
10	101647501	Rod Assembly (includes item 11)	1
11	1016509	Bolt	2
12	101647502	Rod Assembly, Connecting 0.50 mm Under (includes item 13)	1
13	1016509	Bolt	2
14	1016541	Stud, 6x14	4
15	1016547	Nut, M6 Flange	4
16	101655001	Shim, Crankshaft T=1.13	A/R
17	101655002	Shim, Crankshaft T=1.18	A/R
18	101655003	Shim, Crankshaft T=1.23	A/R
19	101655004	Shim, Crankshaft T=1.28	A/R
20	101655005	Shim, Crankshaft T=1.33	A/R
21	101655006	Shim, Crankshaft T=1.38	A/R
22	101655007	Shim, Crankshaft T=1.43	A/R
23	101655008	Shim, Crankshaft T=1.48	A/R
24	101655009	Shim, Crankshaft T=1.53	A/R
25	1016558	Ring, Snap	2
26	1016559	Spacer	1
27	1016562	Key	1
28	1016568	Seal, Oil	1
29	1016571	O-Ring	1
30	101915501	Crankcase Complete, FE290 (cw)	1
31	101922301	Crankshaft, FE290 Left-Hand Thread (includes items 32 through 35)	1
32	1016516	Rod (includes item 33)	2
33	1016580	Bearing, Plane	1
34	1016532	Gear, Spur	1
35	1016533	Gear, Helical	1


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FE290 ENGINE MOUNTING

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1010577	Bolt, Hex-Head, 5/16-18 X 1.50	4
2	1012571	Washer, 5/16 Extra Thick Flat	4
3	1013924	Nut, 5/16-24 Hex Head Cone	6
4	101827101	Plate, Engine Mounting	1
5	101832101	Spacer, Powdered Metal	2
6	101832701	Stiffener (Flywheel Side)	1
7	101833201	Stud, M8-1.25 X 60mm Two-Ended	2
8	101834601	Snubber Bracket	1
9	101884801	Screw, 5/16-24 X 0.875 Grade-8	6
10	101963401	Locknut, 5/16-18 Hex Flange	4
11	102065901	Locknut, 3/8-16 Flanged Dimple	4
12	102540301	Inner Frame Snubber	1
13	334	Washer, 3/8 Type A Flat	4
14	705	Screw, Cap-hex Hd 3/8-16x1.25	4
15	96704416	Nut Flg, M8 X 1.25 Serrated	2

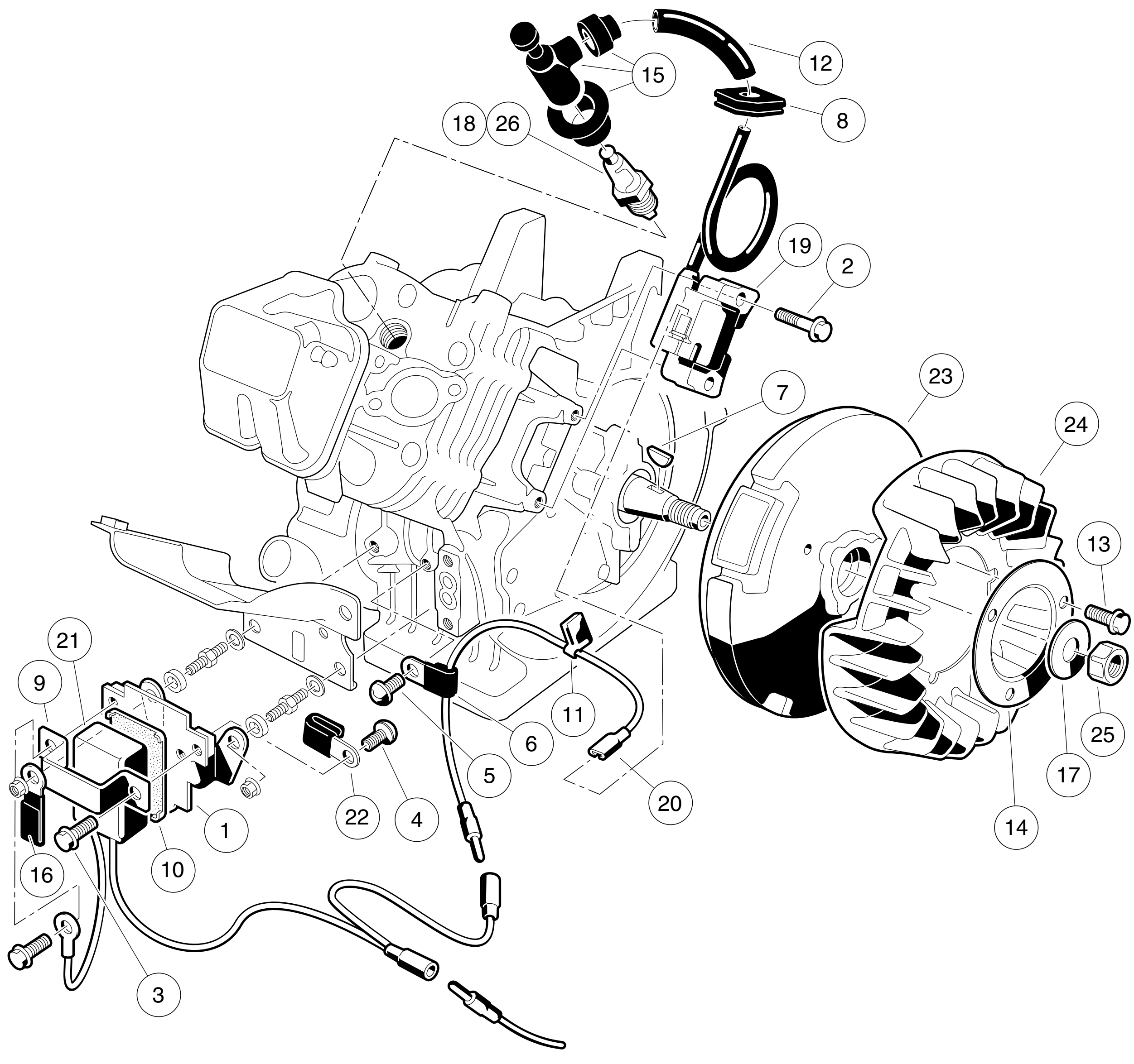
AS11 FE350 ENGINE


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AS11 FE350 ENGINE WITHOUT ACR (AUTOMATIC COMPRESSION RELEASE) – SHROUDS AND BRACKETS

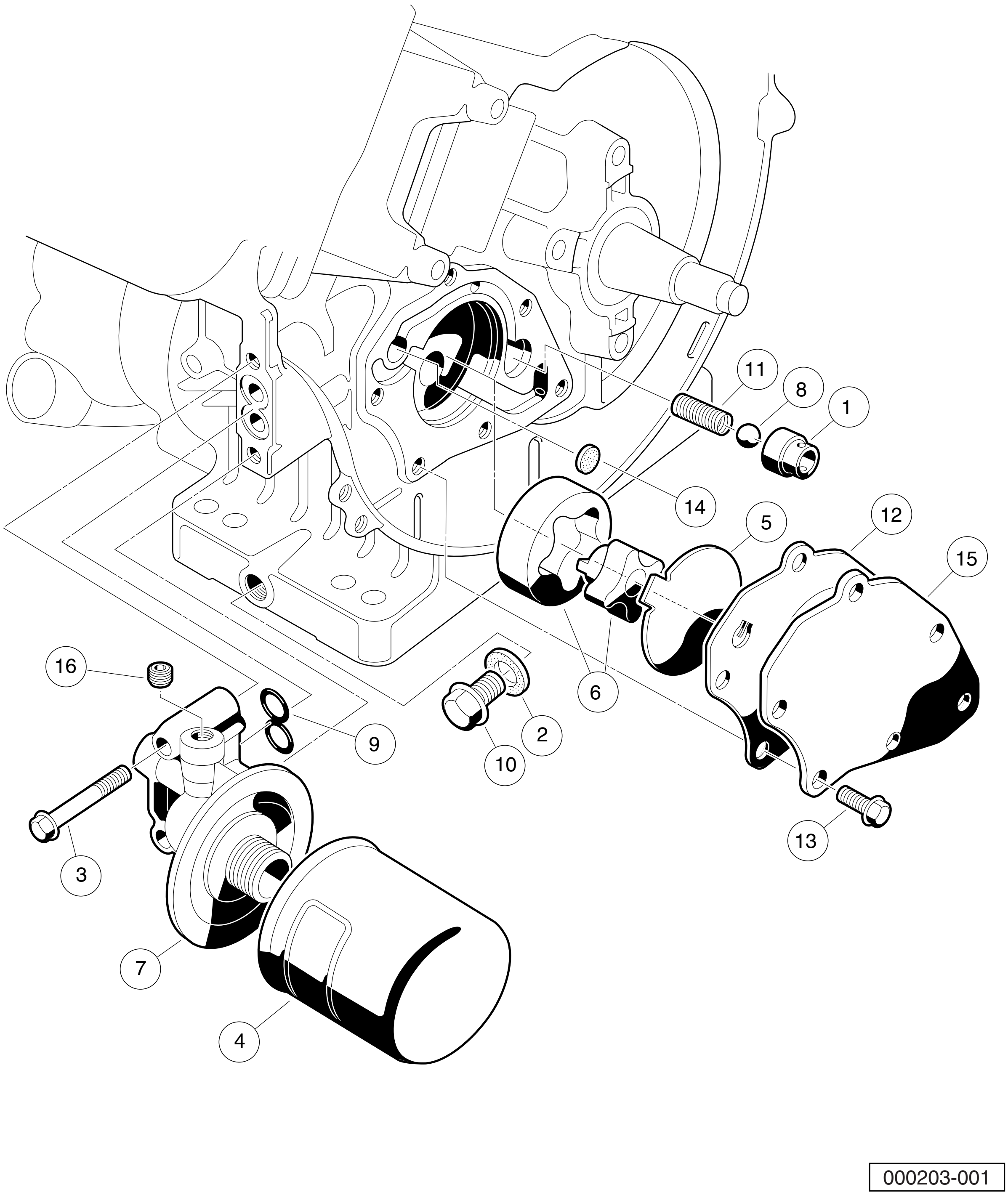
ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1015332	Wire Assembly, #10, Uninsulated	1
2	1015649	Shroud, Fan	1
3	1015969	Screw, M6-1.00 X 10mm Pan Hd	4
4	101887601	Locknut, M6-1.00 Nylon Insert	1
5	101953802	Engine, FE350 (cw) without ACR * (includes items 6 through 17)	1
6	1016456	Bolt, Flange Head, M6 x 1 x 12 mm	14
7	1016507	Bolt, Two-Ended	3
8	1016531	Dipstick	1
9	1016539	O-Ring	1
10	1016547	Nut, M6 Flange	3
11	1017474	Shroud, Engine	1
12	1017475	Shroud, Engine	1
13	1017476	Shroud, Engine	1
14	1017486	Tube, Oil Filler	1
15	1017500	Spacer 6.50 X 12 X 5.5	2
16	101916101	Housing, FE350 Fan	1
17	N/A	Washer, 6mm Flat	3

* Note: FE350 engine component listings span several pages.


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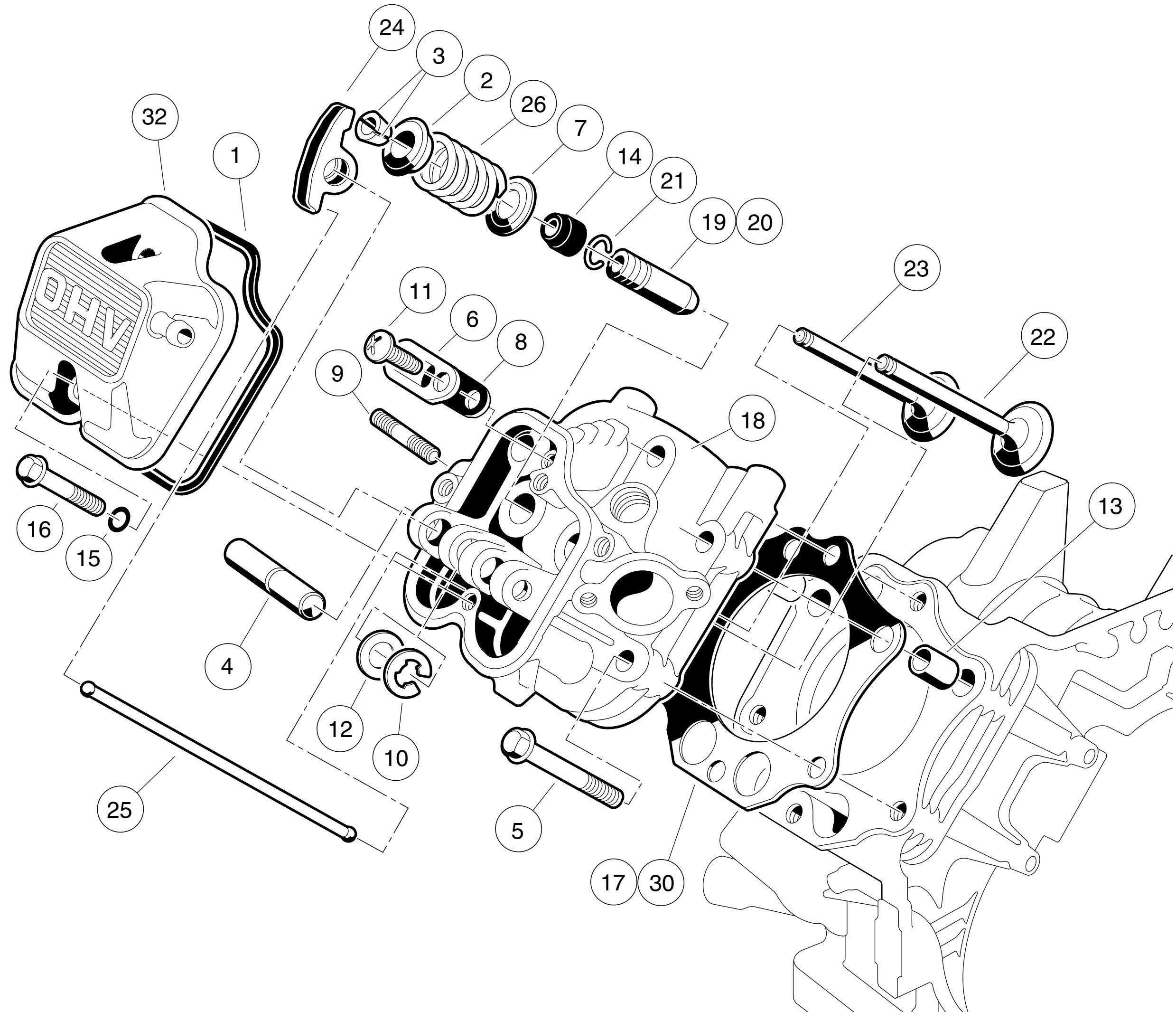
AS11 FE350 ENGINE – IGNITION COMPONENTS AND FLYWHEEL

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1016445	Bracket, RPM Limiter	1
2	1016455	Bolt, Flange Head	2
3	1016456	Bolt, Flange Head, M6 x 1 x 12 mm	2
4	1016497	Screw, Pan WP Cross	1
5	1016544	Screw	1
6	1016561	Clamp	1
7	1016562	Key	1
8	1016578	Ignition, Grommet	1
9	1016579	Band, RPM Limiter Mount	1
10	1016586	Damper, RPM Limiter	1
11	1016587	Clamp	1
12	1016588	Tube, 7mm X 10mm X 70mm	1
13	1017448	Bolt, Flanged	3
14	1017455	Plate, Flywheel Fan	1
15	1017463	Cap Asm Plug	1
16	1017468	Clamp	1
17	1017490	Washer, Flat	1
18	101881101	Spark Plug, OHV (Autolite)	1
19	101909201	Coil, Ignition	1
20	101909301	Lead Wire Assy	1
21	101909401	Limiter, RPM	1
22	N/A	Clamp, Steel	1
23	101916201	Flywheel	1
24	101916301	Fan (cw)	1
25	N/A	Nut, Hex, 18 mm Fine	1
26	AM10724	Spark Plug, OHV (NGK)	1


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FE350 ENGINE – OIL CIRCULATION

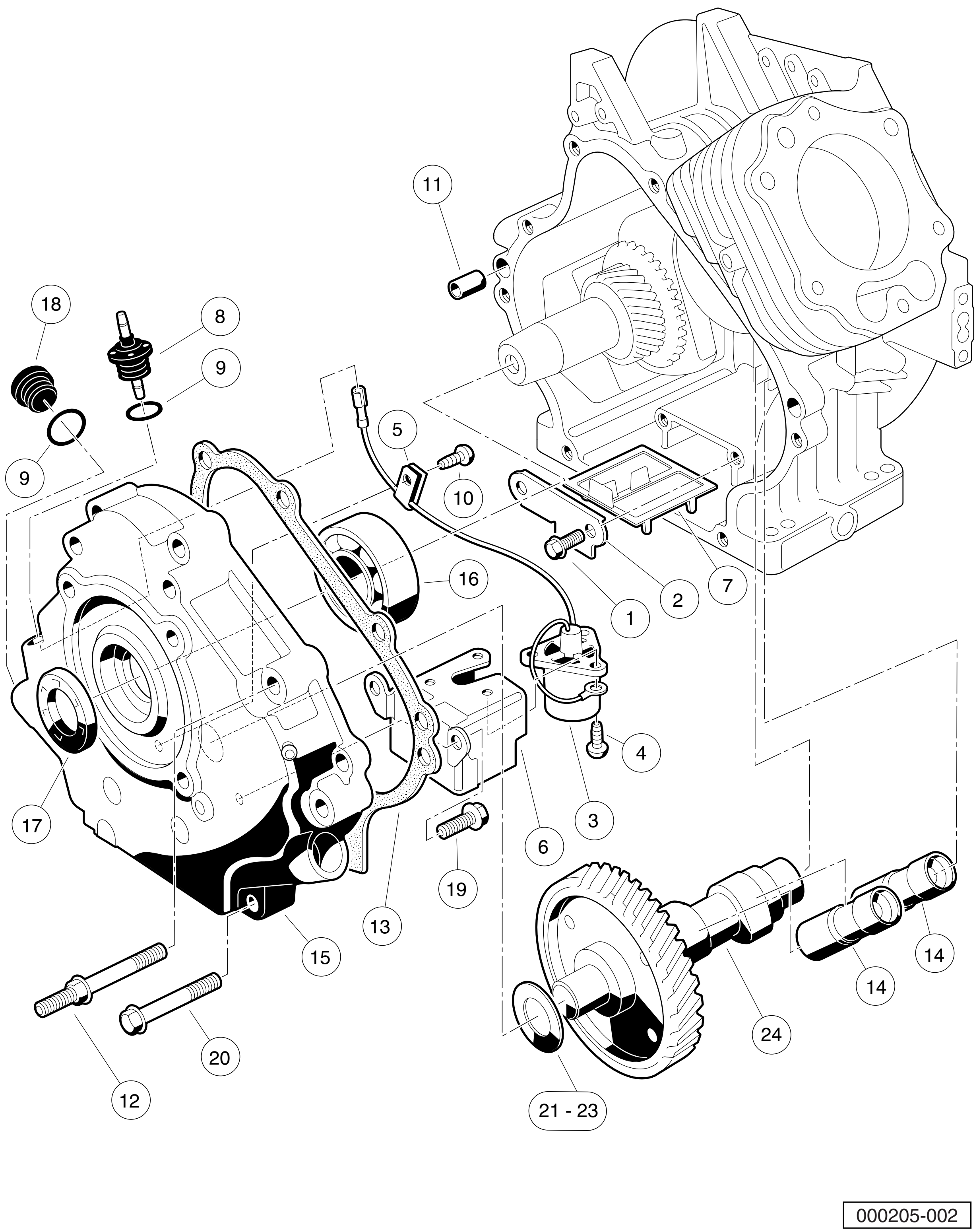
ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1016429	Seat, Value Oil Press Relief	1
2	1016432	Gasket, Drain Plug	1
3	1016457	Bolt, Flange Head	2
4	1016467	Filter, Oil	1
5	1016473	Plate, Oil Pump	1
6	101648203	Oil Pump And Rotor	1
7	1016502	Bracket, Oil Filter Mount	1
8	1016537	Ball, Steel, Press, Relief	1
9	1016570	O-Ring	1
10	1016576	Plug, Drain	1
11	1016581	Spring	1
12	1017442	Gasket	1
13	1017456	Bolt, Flanged	6
14	1017458	Filter	1
15	1017460	Cover, Pump	1
16	1017507	Plug	2


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AS11 FE350 ENGINE – CYLINDER HEAD

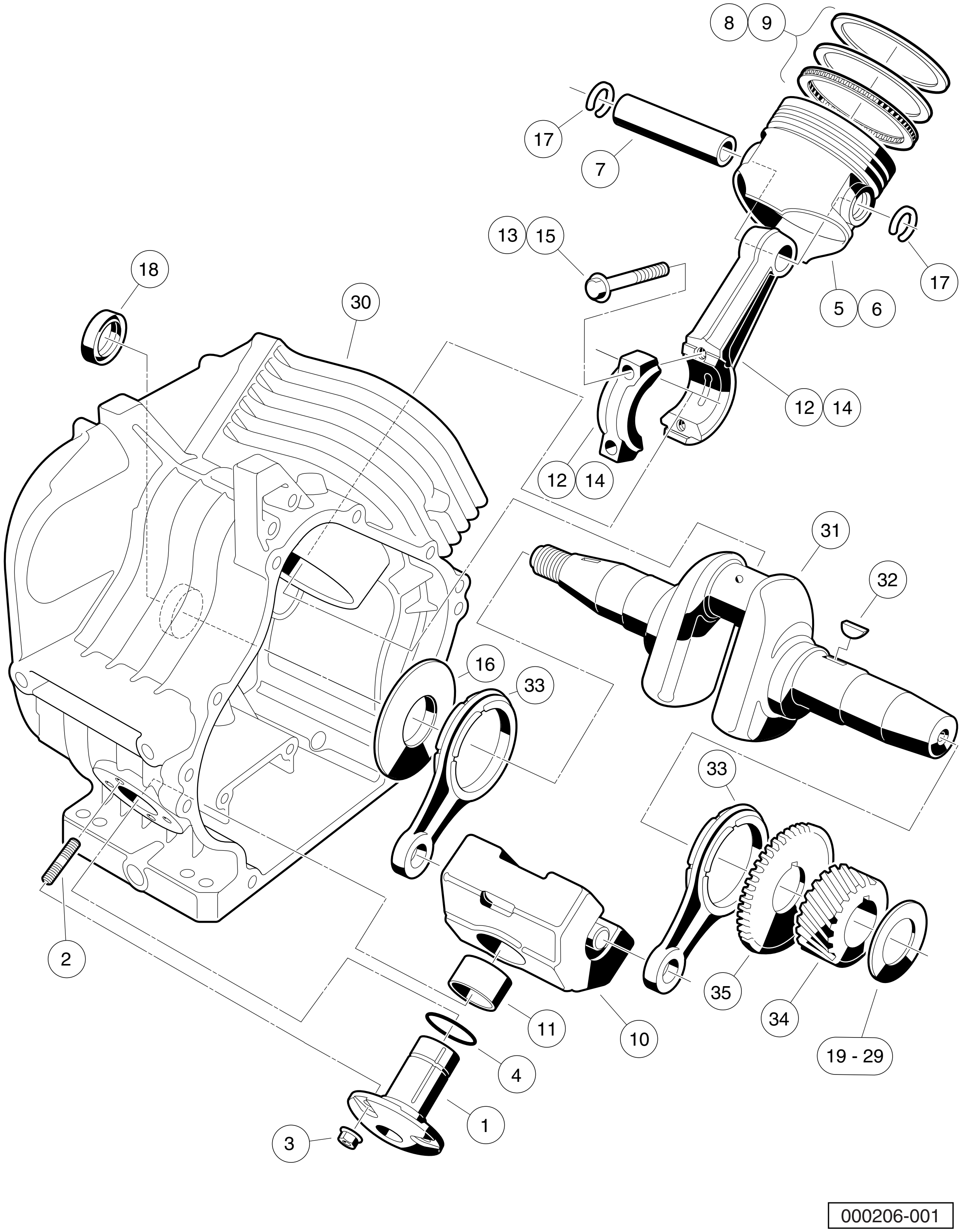
ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1016436	Gasket, Rocker Case	1
2	1016449	Retainer, Valve Spring	2
3	1016450	Collet	4
4	1016452	Shaft, Rocker	1
5	1016458	Bolt, Flange Head, M8 x 1.25 x 45 mm	6
6	1016474	Plate	1
7	1016479	Seat, Spring	2
8	1016483	Valve	1
9	1016489	Stud, Two-Ended, M8-1.25	2
10	1016517	Circlip, Type-E	1
11	1016544	Screw	1
12	1016549	Washer, 12.1x19x1.8	1
13	1016563	Pin	2
14	1016566	Seal, Oil	2
15	1016569	O-Ring	2
16	1016583	Bolt, 6x35	2
17	1017434	Gasket, Head	1
18	1017435	Assembly, Cylinder Head, FE350 (includes items 19 through 21)	1
19	1016518	Guide, Valve, Exhaust	1
20	1016519	Guide, Valve	1
21	1016560	Snap Ring	2
22	1017444	Valve, Intake	1
23	1017445	Valve, Exhaust	1
24	1017446	Arm, Rocker	2
25	1017454	Rod, Push	2
26	1017473	Spring, Engine Valve	2
27	102304801	Kit, Gasket, FE350 (includes items 28 through 31)	1
28	1016440	Gasket, Engine to Insulator	1
29	1016904	Gasket, Exhaust	1
30	1017434	Gasket, Head	1
31	1017443	Gasket, Crankcase Cover	1
32	102753401	Case, Rocker	1

Note: Item 28 is not a component of the FE350 engine.


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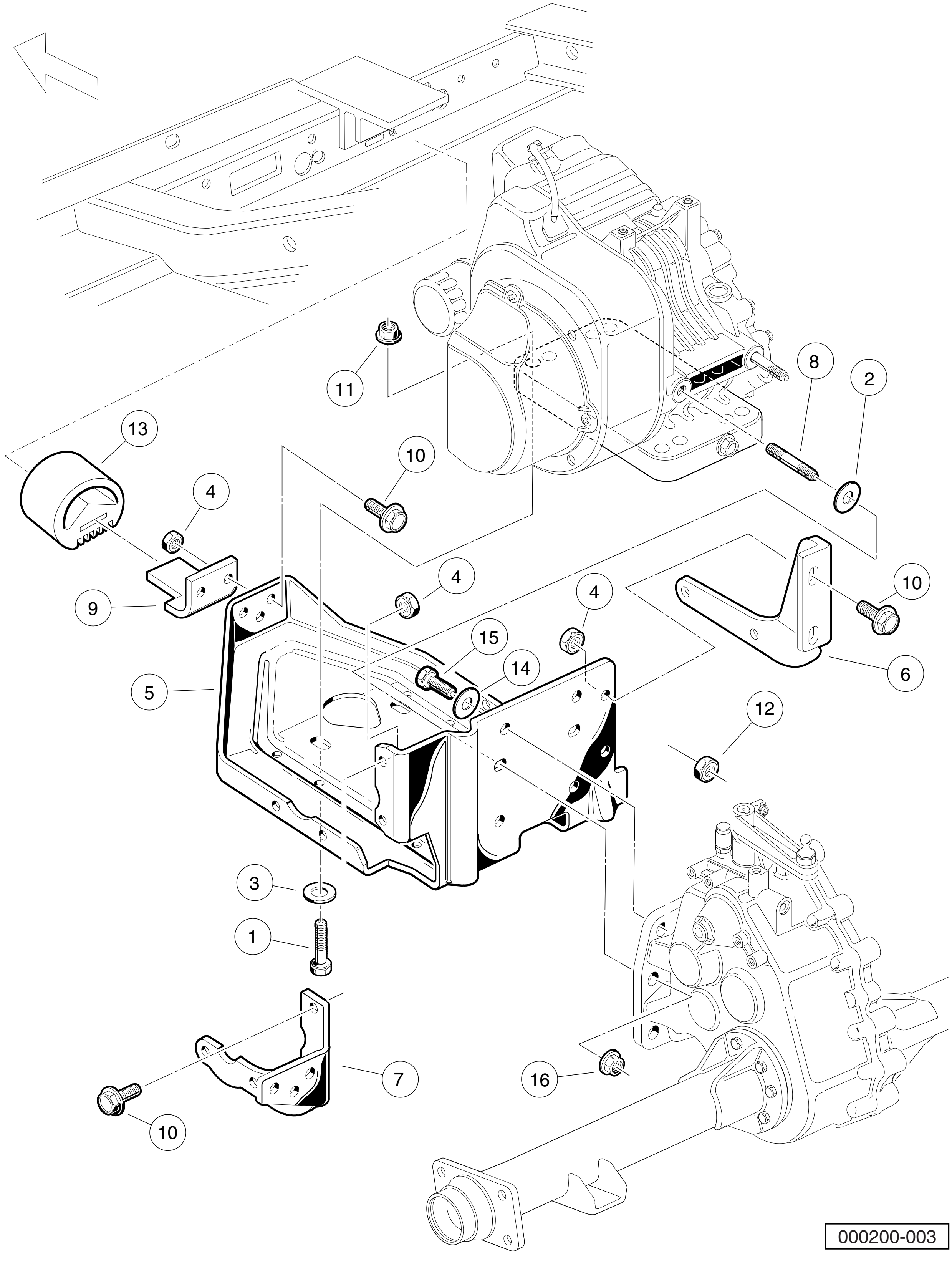
AS11 FE350 ENGINE WITHOUT ACR – CRANKCASE, CAMSHAFT, AND OIL SENSOR

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1016454	Bolt, Flange Head, M5 x 0.8 x 8 mm	2
2	1016472	Plate, Oil Filter Screen	1
3	1016494	Sensor, Oil Level	1
4	1016496	Screw, Cross Pan-Head, M4 x 0.7 x 8 mm	3
5	1016506	Clamp	1
6	1016510	Bracket, Switch, Oil Level	1
7	1016521	Screen, Oil Filter	1
8	1016535	Connector, Cord	1
9	1016538	O-Ring	2
10	1016544	Screw	1
11	1016564	Pin	2
12	1016584	Bolt, Two-Ended, M8 x 1.25 x 69 mm	2
13	1017443	Gasket, Crankcase Cover	1
14	1017447	Adjuster, Lash	2
15	1017472	Cover Crankcase	1
16	1017487	Bearing, Ball	1
17	1017504	Seal, Oil	1
18	1017508	Plug	1
19	1017513	Bolt Switch Bracket	2
20	1017514	Screw, M8-1.25 X 45mm Hex	6
21	101751801	Shim, 0.3	A/R
22	101751802	Shim, 0.4	A/R
23	101751803	Shim, 0.5	A/R
24	102431001	Camshaft, FE350 without ACR, 44-Tooth	1


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AS11 FE350 ENGINE – CRANKCASE AND CRANKSHAFT

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1016470	Shaft, Guide, Counterbalance	1
2	1016541	Stud, 6x14	4
3	1016547	Nut, M6 Flange	4
4	1016571	O-Ring	1
5	101744901	Piston, Standard	1
6	101744902	Piston, 0.50 mm Oversize	1
7	1017450	Pin, Piston	1
8	101745101	Ring Set, Standard Piston	1
9	101745102	Ring Set, Piston, 0.50 mm Oversize	1
10	1017453	Fe400 Counterbalance Weight (includes item 11)	1
11	1017510	Bearing, Plain	1
12	101745701	Asm, Con. Rod Std (includes item 13)	1
13	1017512	Bolt	2
14	101745702	Rod Assembly Connnecting Rod 0.5mm (includes item 15)	1
15	1017512	Bolt	2
16	1017501	Spacer	1
17	1017502	Snap Ring	2
18	1017503	Seal, Oil	1
19	101773301	Shim, Crankshaft, 1.18mm	A/R
20	101773302	Shim, Crankshaft, 1.25mm	A/R
21	101773303	Shim, Crankshaft, 1.32mm	A/R
22	101773304	Shim, Crankshaft, 1.39mm	A/R
23	101773305	Shim, Crankshaft, 1.46mm	A/R
24	101773306	Shim, Crankshaft, 1.53mm	A/R
25	101773307	Shim, Crankshaft, 1.60mm	A/R
26	101773308	Shim, Crankshaft, 1.67mm	A/R
27	101773309	Shim, Crankshaft, 1.74mm	A/R
28	101773310	Shim, Crankshaft, 1.11mm	A/R
29	101773311	Shim, Crankshaft, 1.81mm	A/R
30	101916001	Crankcase Complete, FE350 (cw)	1
31	102430901	Crankshaft, FE350 Left-Hand, 22-Tooth (includes items 32 through 35)	1
32	1016562	Key	1
33	1017471	Rod	2
34	N/A	Gear, Helical	1
35	N/A	Gear, Spur	1


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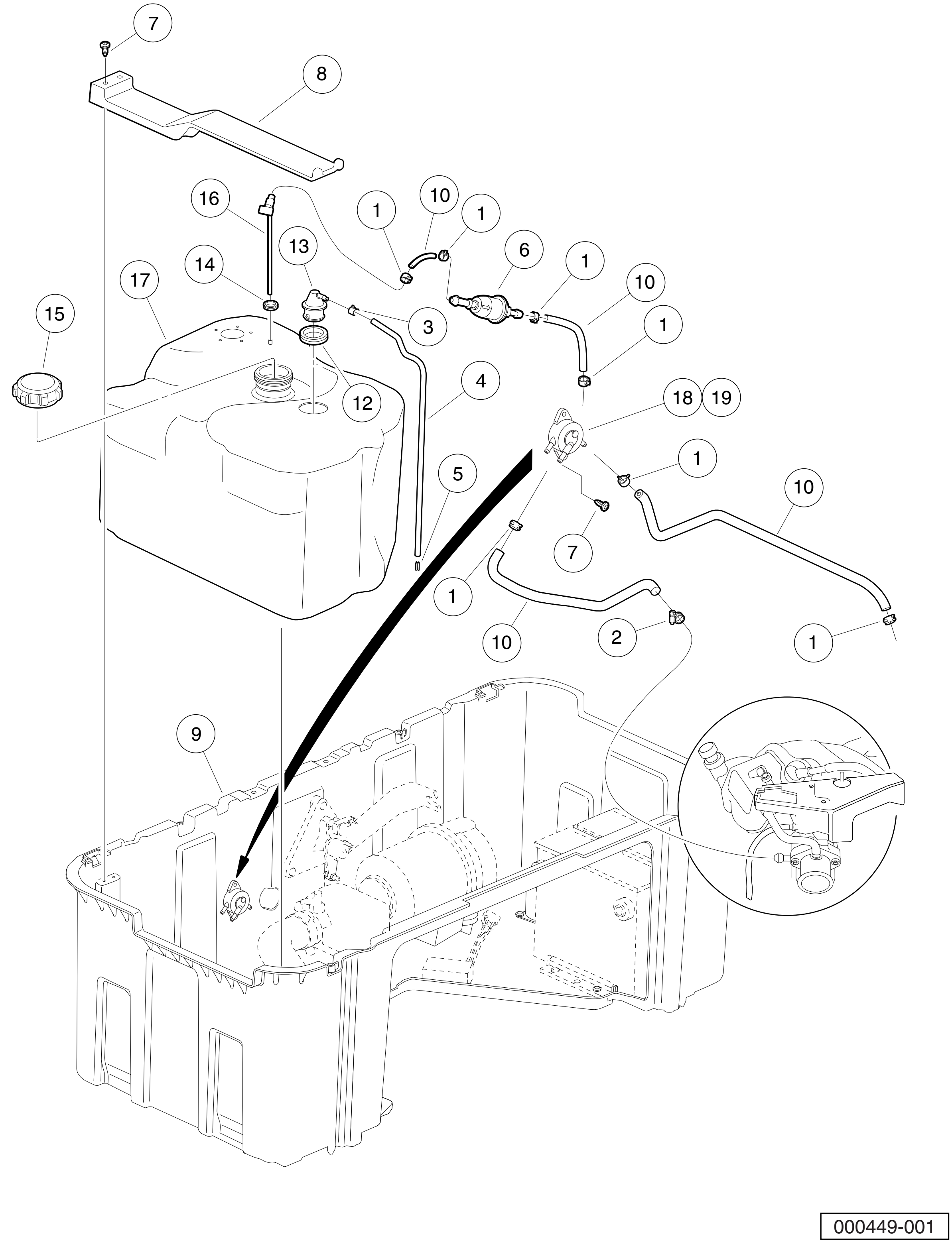
FE350 ENGINE MOUNTING

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1010577	Bolt, Hex-Head, 5/16-18 X 1.50	4
2	1011697	Washer, 5/16 Flat	2
3	1012571	Washer, 5/16 Extra Thick Flat	4
4	1013924	Nut, 5/16-24 Hex Head Cone	10
5	101827101	Plate, Engine Mounting	1
6	101832601	Stiffener (PTO Side)	1
7	101832701	Stiffener (Flywheel Side)	1
8	101833101	Stud, M8-1.25 X 50 mm Two-Ended	2
9	101834601	Snubber Bracket	1
10	101884801	Screw, 5/16-24 X 0.875 Grade-8	10
11	101963401	Locknut, 5/16-18 Hex Flange	4
12	102065901	Locknut, 3/8-16 Flanged Dimple	4
13	102540301	Inner Frame Snubber	1
14	334	Washer, 3/8 Type A Flat	4
15	705	Screw, Cap-hex Hd 3/8-16x1.25	4
16	96704416	Nut Flg, M8 X 1.25 Serrated	2

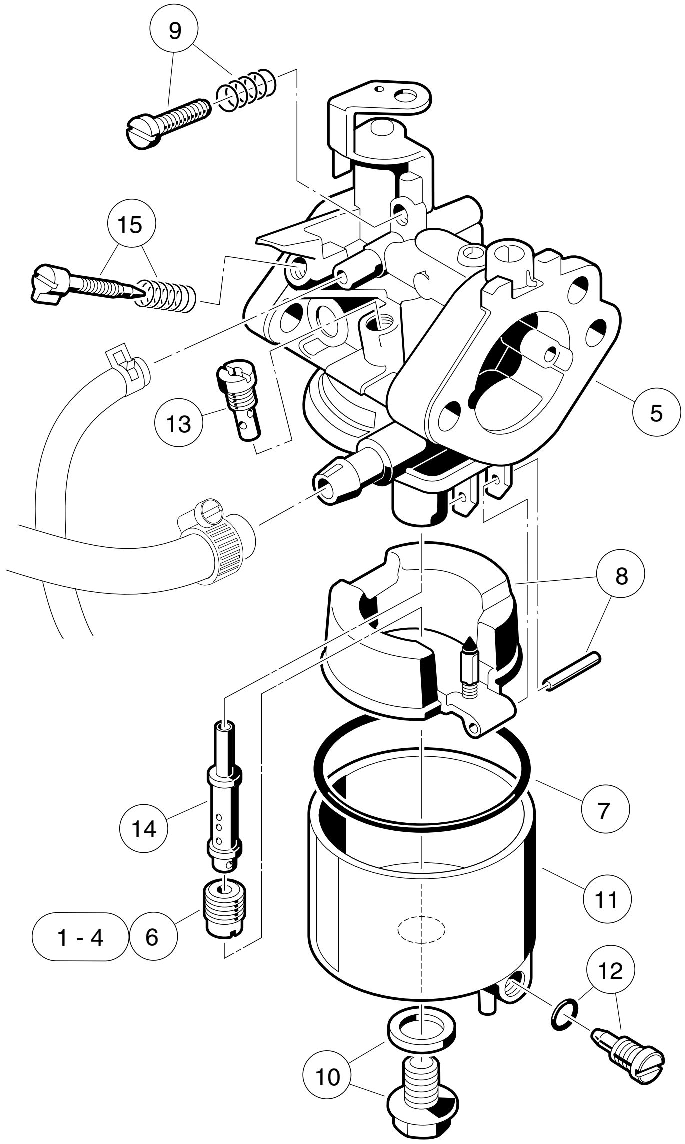
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FUEL, INTAKE, AND GOVERNOR SYSTEMS


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ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1012649	Clamp, 0.460 Red Hose	7
2	1013687	Clamp, 3/8" Hose (screw type)	1
3	1013746	Clamp, 0.301 ID Hose	2
4	1015137	Fuel Line (available by the foot)	A/R
5	101824401	Vent Barb	1
6	102003201	Filter, Fuel, 30 Micron	1
7	102296020	Screw, Torx Pan Hd Pt, M6 X 20	2
8	102514201	Hold-down - Fuel Tank	1
9	102514701	Bucket - Gas Vehicle	1
10	102865101	Fuel Line	A/R
11	103655002	Asm, Tank, Prec, Wo/su Nano (includes items 12 through 17)	1
12	1015139	Insulation Grommet	1
13	1015143	Vent, Fuel Tank	1
14	102406701	Bushing, Line, Return	1
15	103372101	Cap, Fuel Tank, Gas, Ratchet	1
16	103372301	Valve, Fuel, 259mm	1
17	103777001	Tank, Fuel, Prec, Nano	1
18	N/A	Kit, Fuel Pump Retrofit (includes items 19 and 20)	1
19	103010101	Pump, Fuel, Impulse, Fh	1
20	103781201	Instr, Fuel Pump Retrofit	1

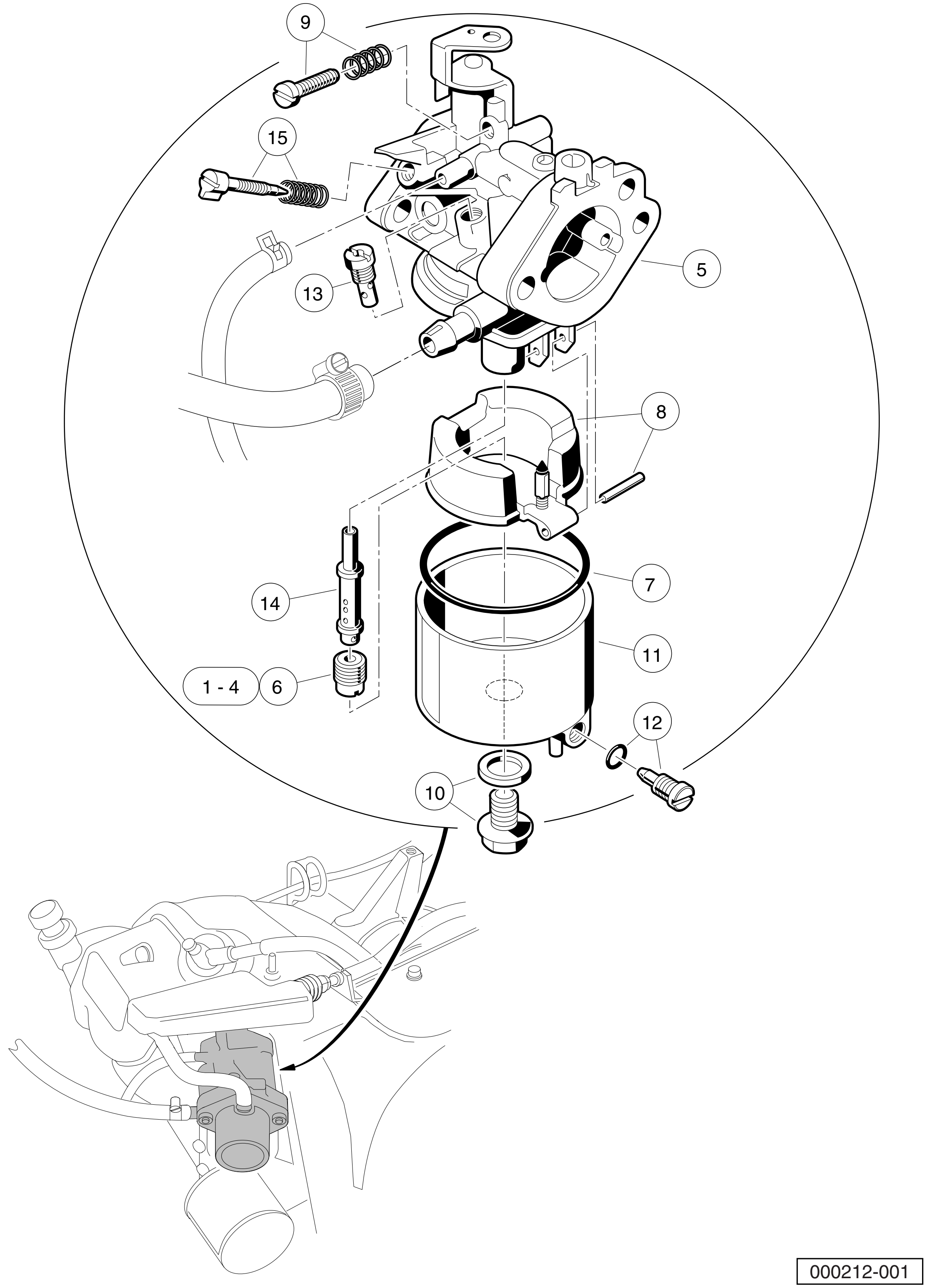


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CARBURETOR ASSEMBLY – FE290

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	101642572	Jet, Altitude, # 72	A/R
2	101642575	Jet, Altitude, # 75	A/R
3	101642578	Jet, Altitude, # 78	A/R
4	101642580	Jet, Altitude, # 80	A/R
5	101905601	Carburetor Assembly, FE290D (includes items 6 through 15)	1
6	101642582	Jet, Altitude, # 82	1
7	1016437	Gasket, Carburetor Bowl OHV	1
8	1016486	Float Assembly	1
9	1016501	Screw Assembly	1
10	1016585	Bolt	1
11	1017461	Chamber Assembly, Float (includes item 12)	1
12	1016499	Screw Assembly	1
13	101973101	Jet, #40 Pilot	1
14	101973201	Nozzle, Main	1
15	N/A	Assembly, Pilot Air Screw	1

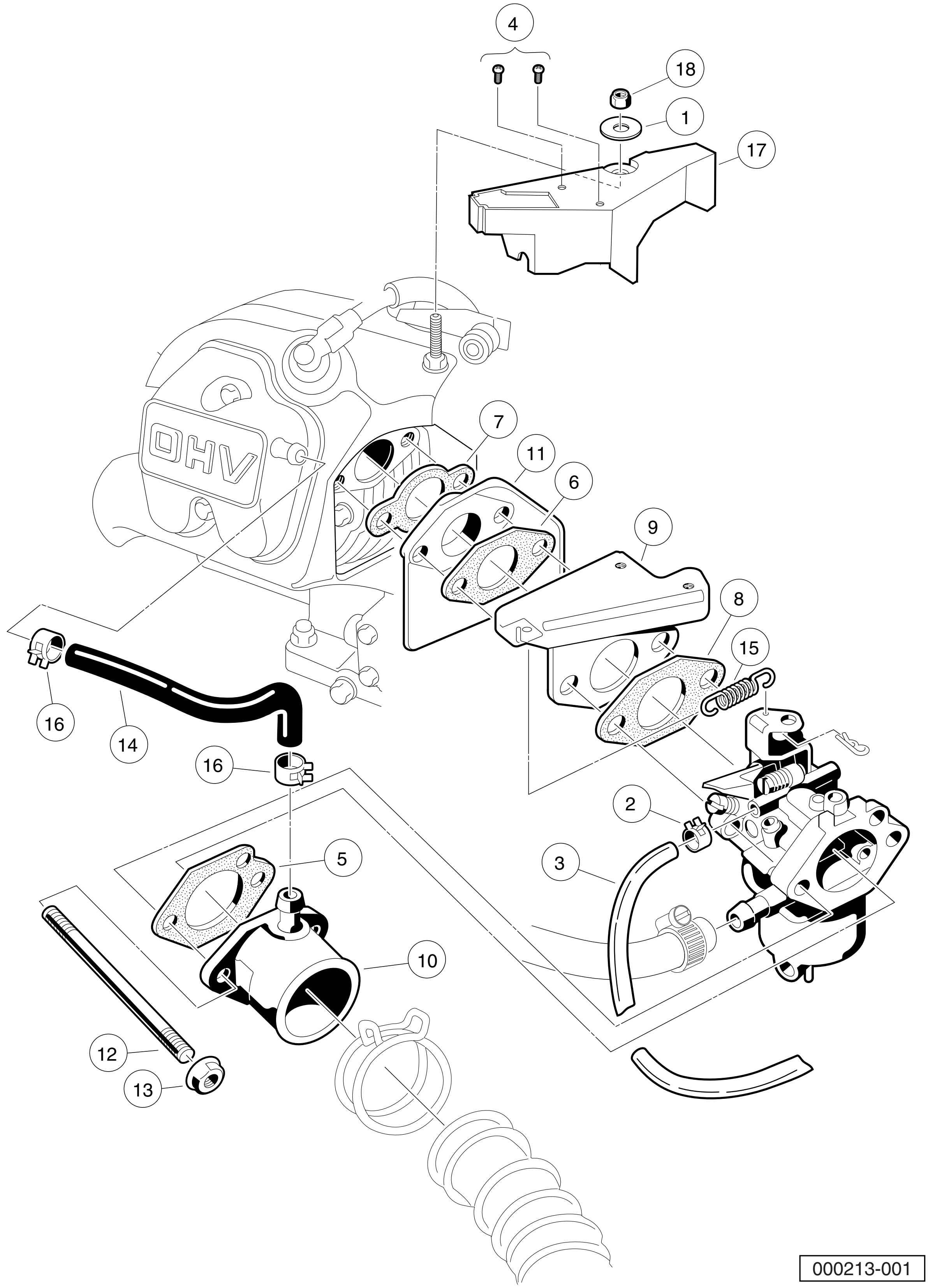
Note: 101642582 for 0 - 3,000 feet; 101642580 for 3,000 - 5,000 feet; 101642578 for 5,000 - 8,000 feet; 101642575 for 8,000 - 10,000 feet; 101642572 for 10,000 feet and higher.


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CARBURETOR ASSEMBLY – FE350

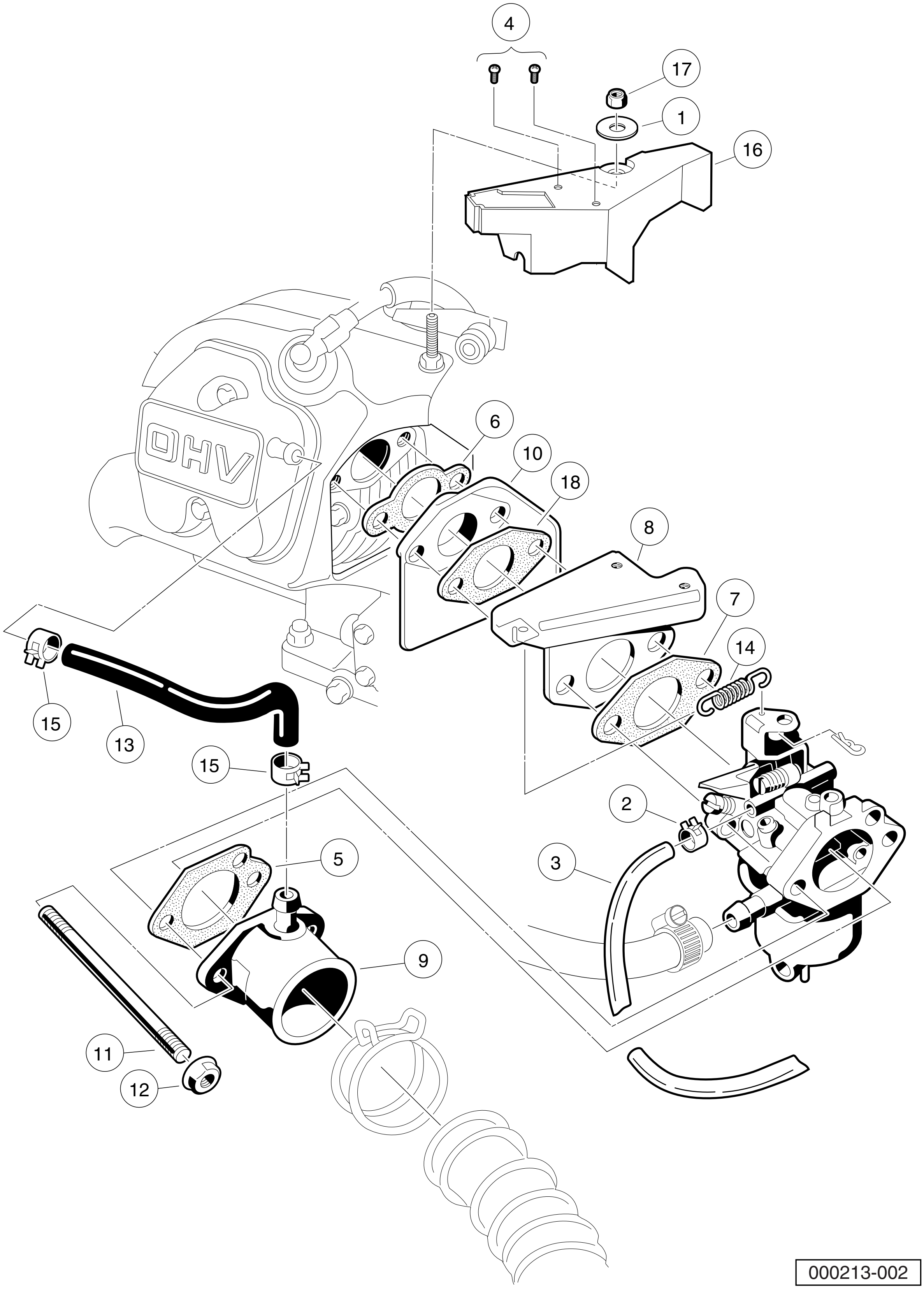
ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	101642575	Jet, Altitude, # 75	A/R
2	101642578	Jet, Altitude, # 78	A/R
3	101642580	Jet, Altitude, # 80	A/R
4	101642582	Jet, Altitude, # 82	A/R
5	101905901	Carburetor, FE350D (includes items 6 through 15)	1
6	101642585	Jet, Altitude, # 85	1
7	1016437	Gasket, Carburetor Bowl OHV	1
8	1016486	Float Assembly	1
9	1016501	Screw Assembly	1
10	1016585	Bolt	1
11	1017461	Chamber Assembly, Float (includes item 12)	1
12	1016499	Screw Assembly	1
13	101973101	Jet, #40 Pilot	1
14	101973301	Nozzle, Main	1
15	N/A	Assembly, Pilot Air Screw	1

Note: 101642585 for 0 - 3,000 feet; 101642582 for 3,000 - 5,000 feet; 101642580 for 5,000 - 8,000 feet; 101642578 for 8,000 - 10,000 feet; 101642575 for 10,000 feet and higher.


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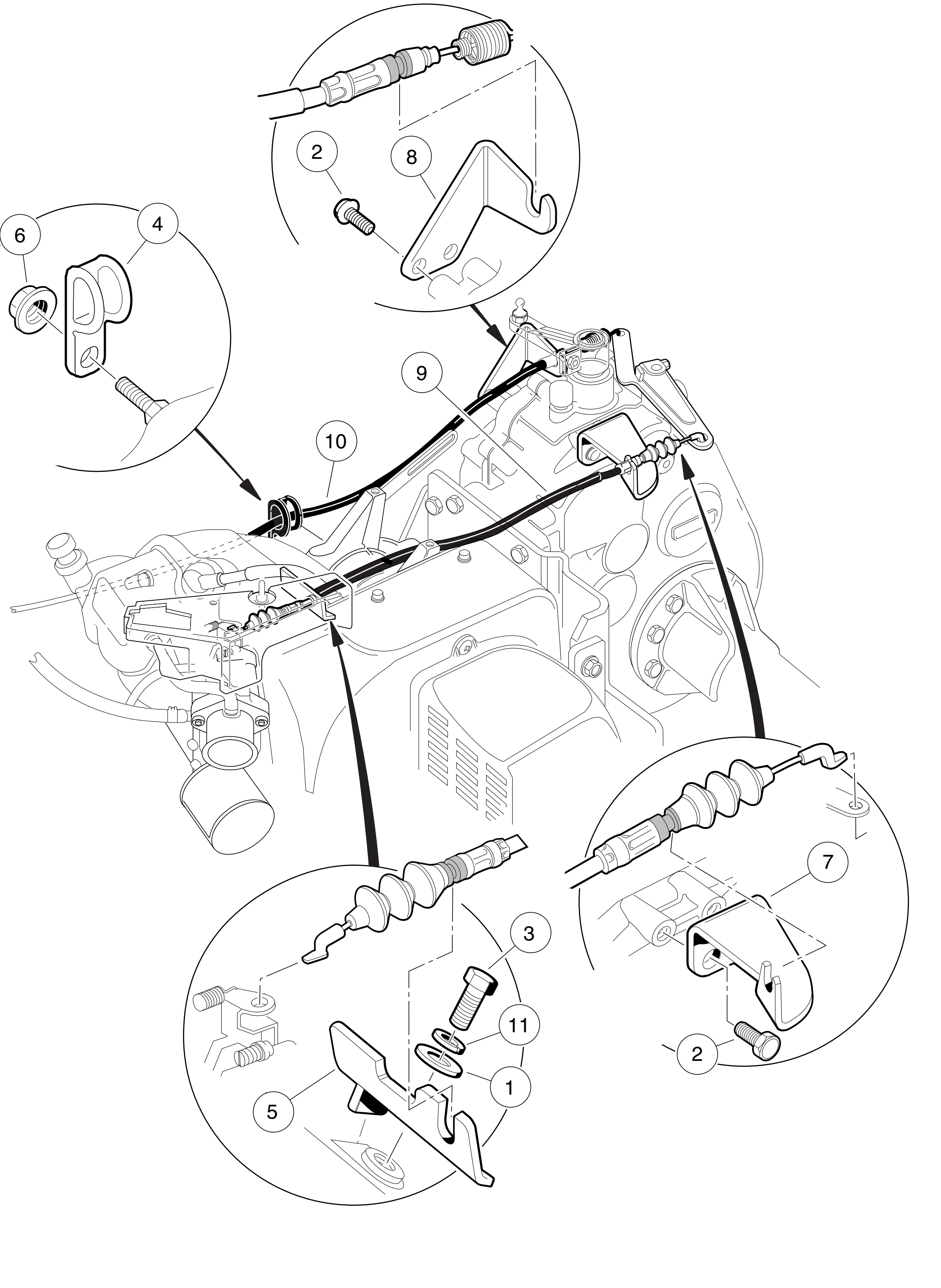
CARBURETOR INSTALLATION – FE290

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1011697	Washer, 5/16 Flat	1
2	1013746	Clamp, 0.301 ID Hose	1
3	1015137	Fuel Line (available by the foot)	A/R
4	1016103	Screw, Pan Hd Tx, Taptite 6-32	2
5	1016438	Gasket, Carb To Intake Manifold	1
6	1016439	Gasket, Insulator	1
7	1016440	Gasket, Engine to Insulator	1
8	1016441	Gasket, Sprg Brkt To Carb OHV	1
9	1016444	Bracket, Throttle Spring Return	1
10	1016480	Pipe, Intake Manifold	1
11	101648102	Insulator, Carburetor	1
12	101649002	Stud, M6-1.00 Two-Ended	2
13	1016547	Nut, M6 Flange	2
14	1016572	Tube, Crankcase Vent	1
15	1016582	Spring, Throttle Return	1
16	1017466	Clamp	2
17	101820201	Shield, Governor	1
18	101887601	Locknut, M6-1.00 Nylon Insert	1


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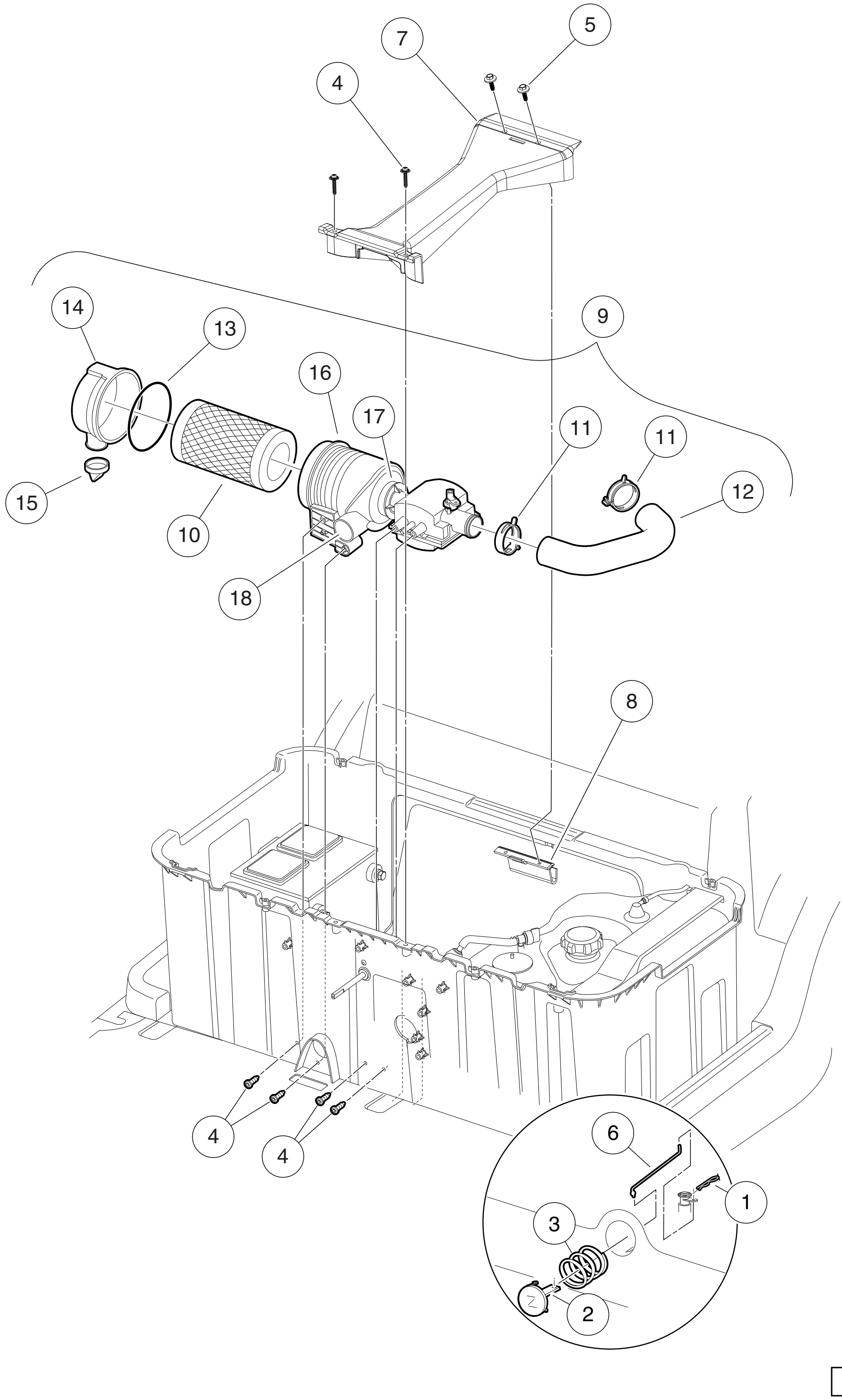
CARBURETOR INSTALLATION – FE350

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1011697	Washer, 5/16 Flat	1
2	1013746	Clamp, 0.301 ID Hose	1
3	1015137	Fuel Line (available by the foot)	1
4	1016103	Screw, Pan Hd Tx, Taptite 6-32	2
5	1016438	Gasket, Carb To Intake Manifold	1
6	1016440	Gasket, Engine to Insulator	1
7	1016441	Gasket, Sprg Brkt To Carb OHV	1
8	1016444	Bracket, Throttle Spring Return	1
9	1016480	Pipe, Intake Manifold	1
10	101648102	Insulator, Carburetor	1
11	101649002	Stud, M6-1.00 Two-Ended	2
12	1016547	Nut, M6 Flange	2
13	1016572	Tube, Crankcase Vent	1
14	1016582	Spring, Throttle Return	1
15	1017466	Clamp	2
16	101820201	Shield, Governor	1
17	101887601	Locknut, M6-1.00 Nylon Insert	1
18	101973401	Gasket, Insulator To Bracket	1


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GOVERNOR AND ACCELERATOR CABLES

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1011697	Washer, 5/16 Flat	1
2	1012285	Screw, 1/4 X 0.625 Hex-Head	4
3	1012830	Screw, M8-125 X 22 Hex-Head	1
4	1013700	Clamp	2
5	101584502	Bracket, Governor Cable Snap-In	1
6	1016546	Nut	2
7	101832202	Bracket, Rear Governor Cable Snap-In	1
8	101832302	Bracket, Rear Accelerator Cable Snap-In	1
9	102336001	Cable, Governor, Snap-In	1
10	102513102	Cable, Acc, Snap-in	1
11	7174	Lockwasher, 5/16 Split	1

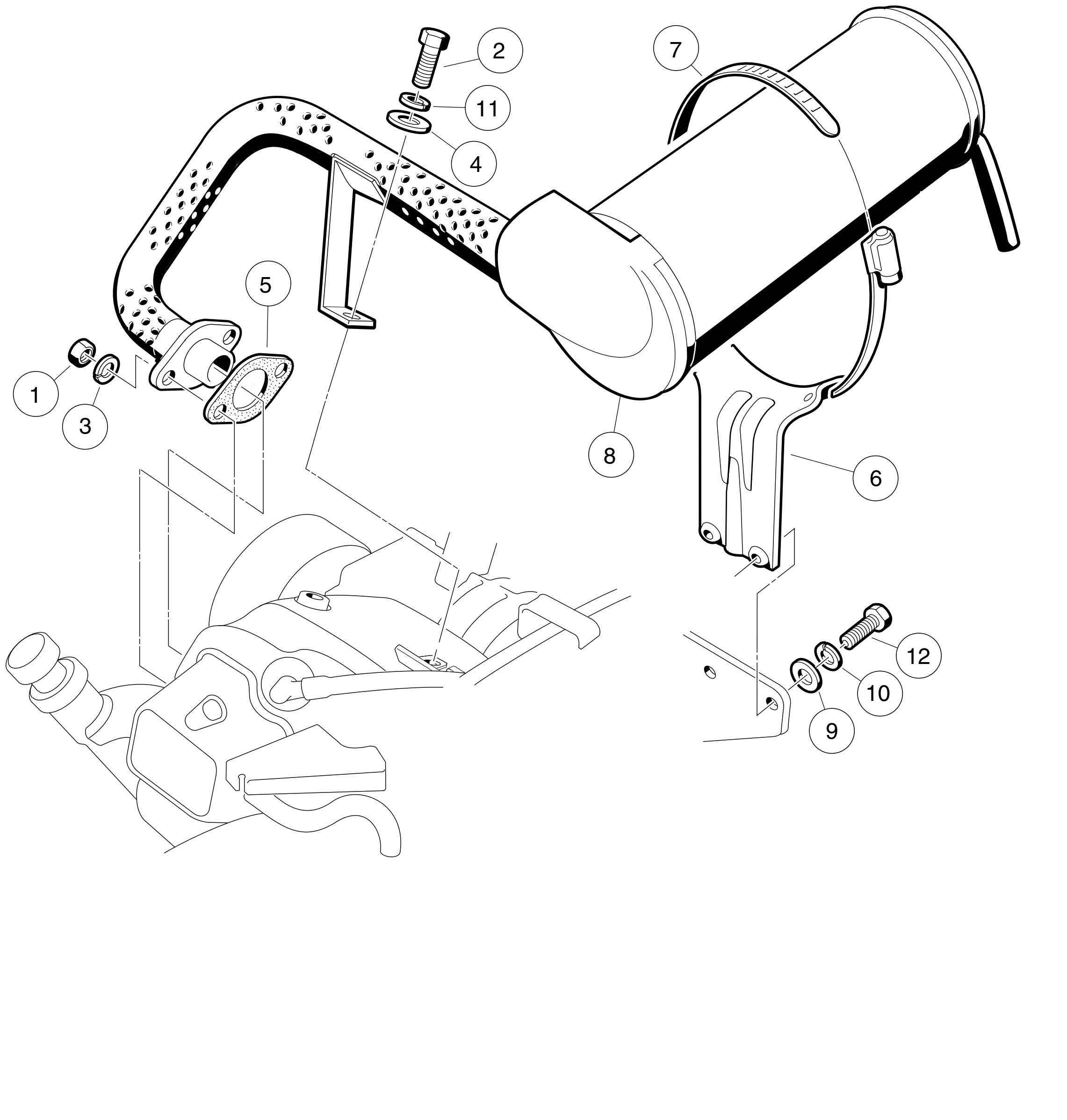


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CHOKE AND AIR BOX ASSEMBLY

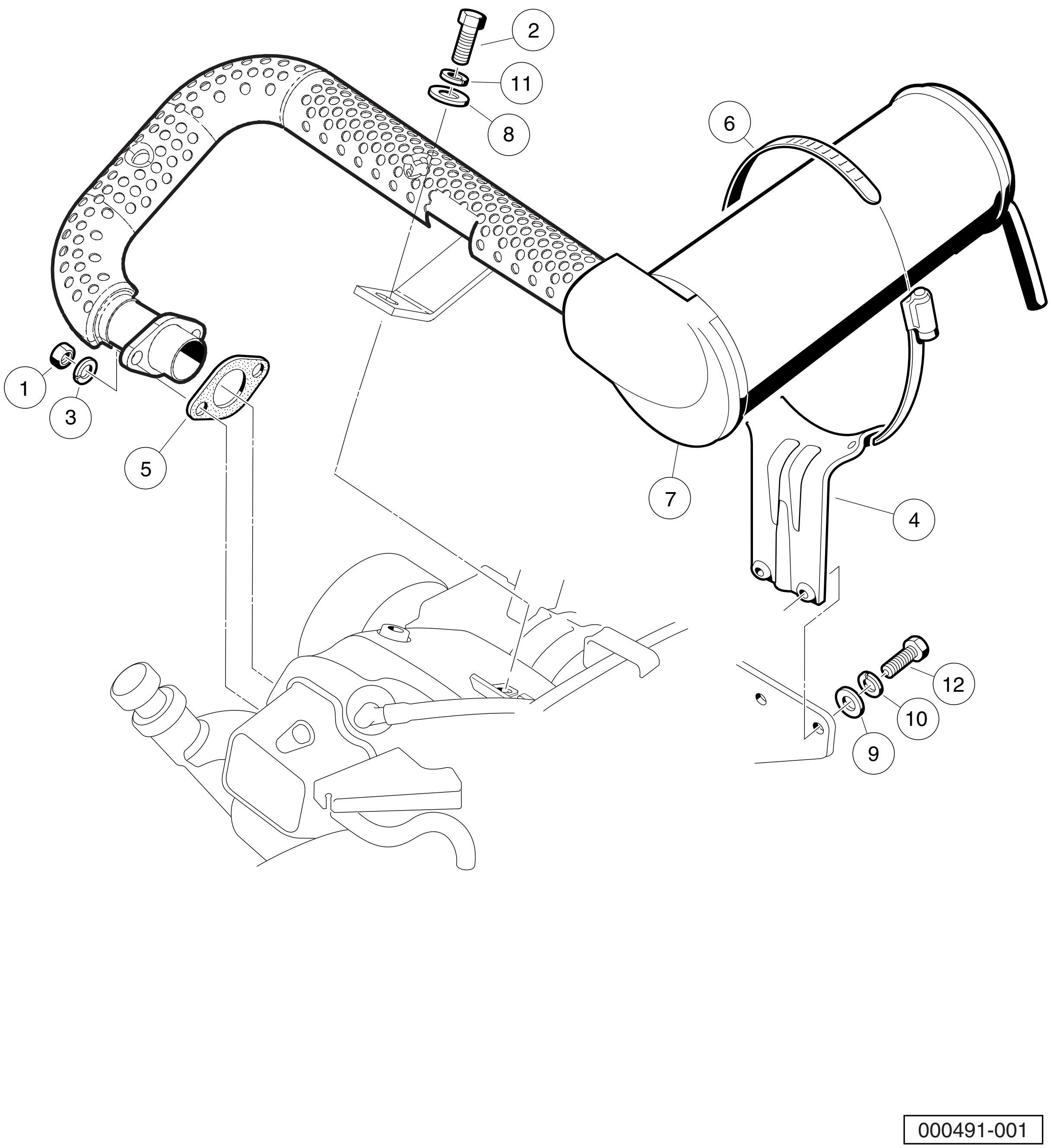
ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1014413	Pin, Hair Spring Cotter	1
2	101811401	Lever, Choke	1
3	101856201	Compression Spring	1
4	102296020	Screw, Torx Pan Hd Pt, M6 X 20	6
5	102297125	Screw M6-1.0x25.4 Thd Fm Sems	2
6	102514401	Rod, Choke Button	1
7	102521301	Brace, Gas Fuel Bucket	1
8	102521401	Support, Gas Bucket Brace	1
9	102588301	Air Intake Assy (includes items 10 through 16)	1
10	102558201	Air Filter, Precedent	1
11	102558301	Clamp, Air Intake, Prec	2
12	102558401	Hose, Air Intake, Prec	1
13	102558501	Gasket, Air Intake, Prec	1
14	102558601	Cover Asm, Air Intake, Prec	1
15	102558701	Evac Valve, Air Intake, Prec	1
16	N/A	Assembly, Body Intake (includes items 17 and 18)	1
17	N/A	Filter Element, Air Intake	1
18	N/A	Insert, Air Intake Body	1

EXHAUST SYSTEM


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EXHAUST SYSTEM – FE290

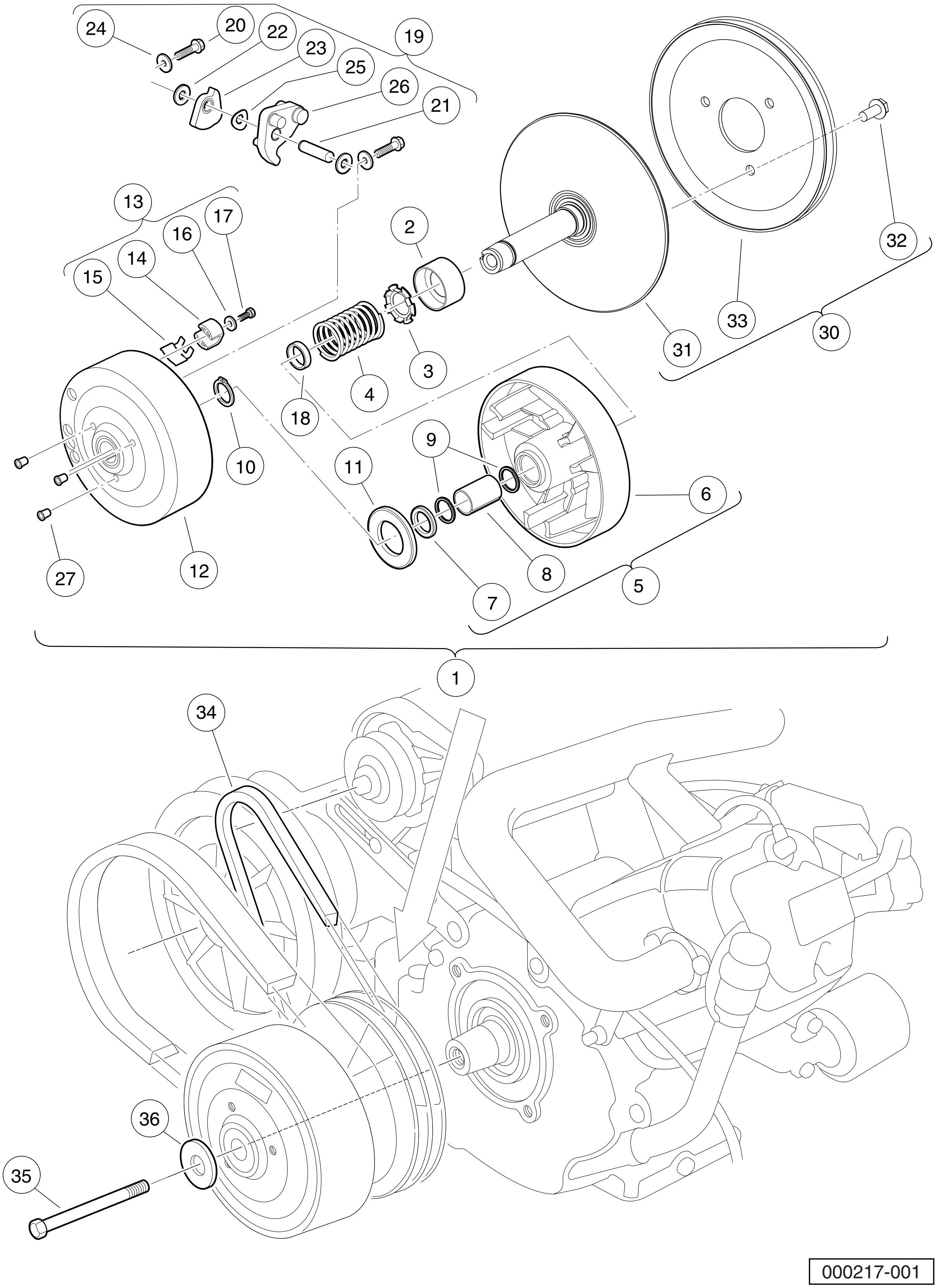
ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1012528	Nut, M8-1.25 Hex	2
2	1012830	Screw, M8-125 X 22 Hex-Head	1
3	1013734	Lockwasher, 8mm Split	2
4	1015075	Washer, 5/16 Flat Type A	1
5	1015330	Gasket, Exhaust	1
6	1015814	Bracket, Muffler Mounting	1
7	1017689	Clamp, 5" Muffler Hose	1
8	102522301	Exhaust System	1
9	332	Washer, 1/4 Type A Narrow Flat	2
10	451	Lockwasher, 1/4 Split	2
11	7174	Lockwasher, 5/16 Split	1
12	N/A	Bolt, 1/2-13 X 3.75 Hex Head	2


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EXHAUST SYSTEM – FE350

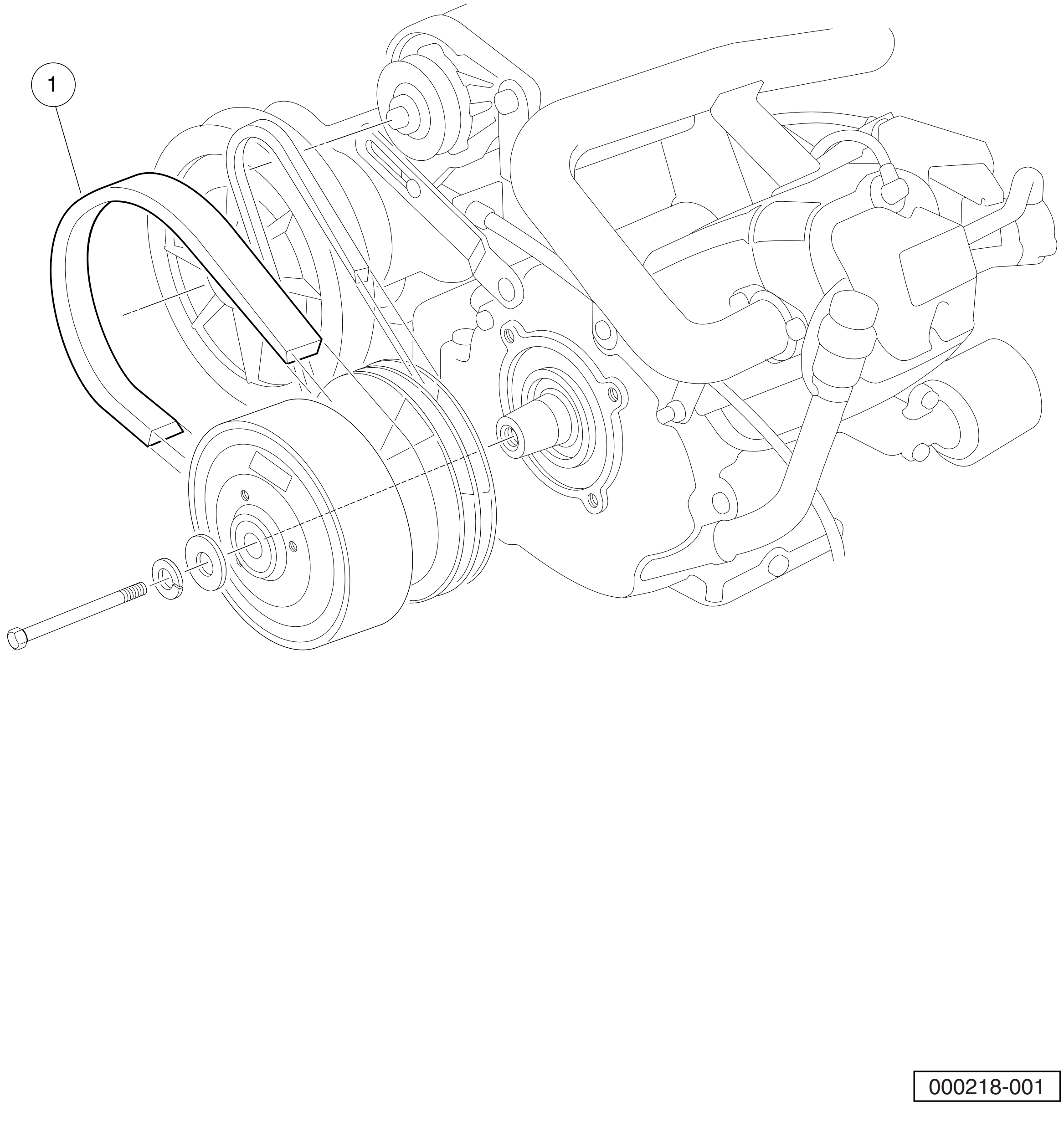
ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1012528	Nut, M8-1.25 Hex	2
2	1012830	Screw, M8-125 X 22 Hex-Head	1
3	1013734	Lockwasher, 8mm Split	2
4	1015814	Bracket, Muffler Mounting	1
5	1016904	Gasket, Exhaust	1
6	1017689	Clamp, 5" Muffler Hose	1
7	102585901	Exhaust System, FE350, Precedent	1
8	1241	Washer, 5/16 Type A Flat	1
9	332	Washer, 1/4 Type A Narrow Flat	2
10	451	Lockwasher, 1/4 Split	2
11	7174	Lockwasher, 5/16 Split	1
12	7847	Screw, 1/4-20 X 0.75 Hex-Head Cap	2

TORQUE CONVERTER


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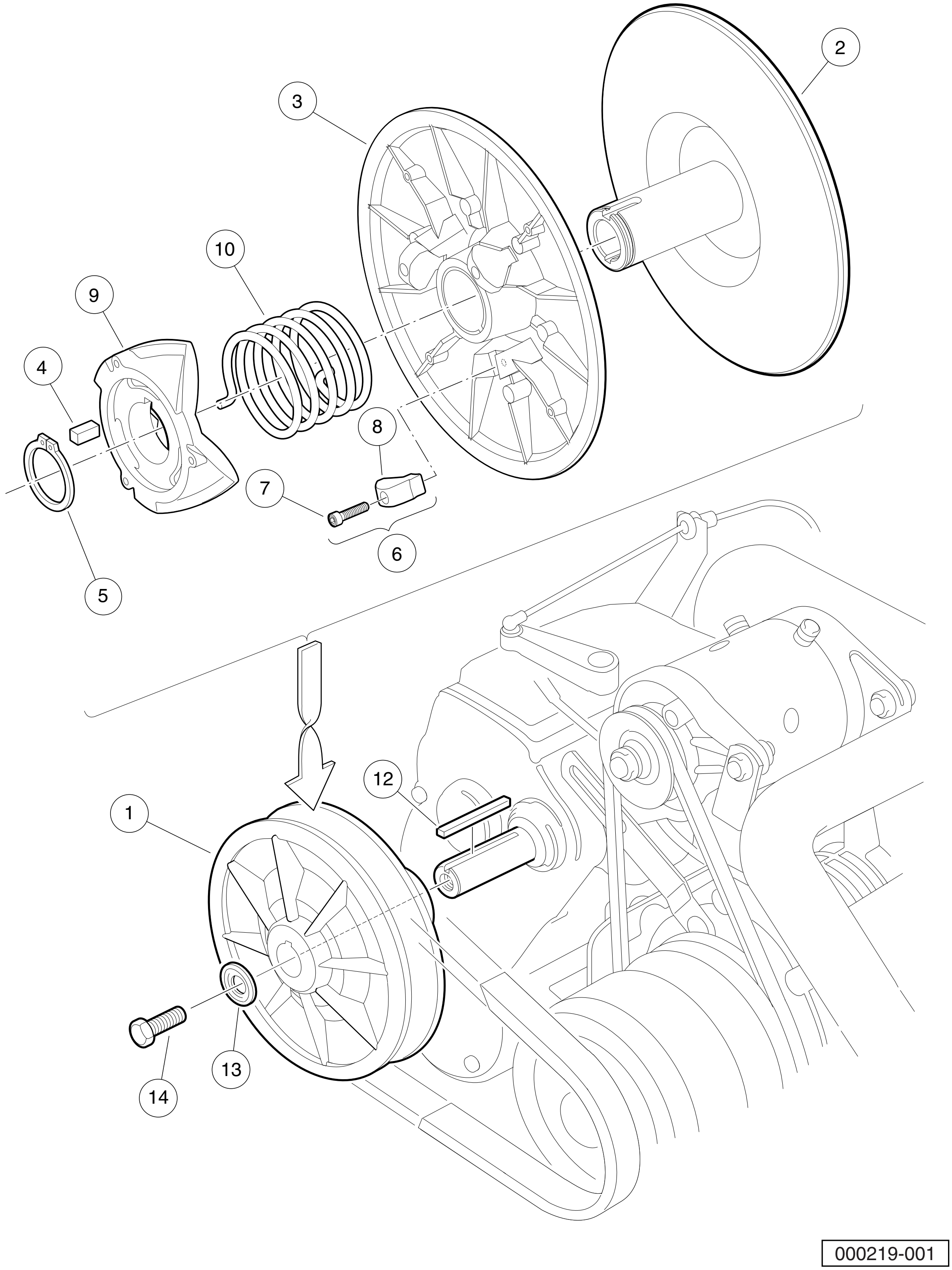
ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	101833902	Clutch, Drive (includes items 2 through 28)	1
2	1014049	Bearing, Idler	1
3	1014050	Retainer, Spring	1
4	1014051	Spring, Drive Clutch	1
5	1014052	Movable-Face Assembly (includes items 6 through 8)	1
6	N/A	Drive Clutch Movable Face	1
7	1014055	Retainer	1
8	N/A	Bushing, Split, Drive Clutch	1
9	1014056	Ring, Spiral Backup	2
10	1014057	Ring, 0.810" Internal Retaining	1
11	1014058	Thrust Washer	1
12	1014059	Drive Hub Assy, Drive Clutch	1
13	1014453	Kit, Drive Clutch Button (includes items 14 through 17)	1
14	1014062	Driver, Drive Clutch	3
15	1014287	Spring, Drive Button	3
16	183	Washer, #10 Type A Flat	3
17	8450	Screw, #10-24 X 0.50 Hex-Head	3
18	1016289	Spacer, Fixed Face Shaft	1
19	1016801	Kit, Drive Clutch Weight (includes items 20 through 26)	1
20	1014063	Screw, 1/4-20 X 1.00 Hex Head	6
21	N/A	Pin, 0.3752 X 1.50 Dowel	3
22	1014065	Washer, 0.38" ID Delrin Flat	6
23	N/A	Clutch Weight, Secondary	3
24	N/A	Washer	6
25	1016201	Washer, Wave	3
26	N/A	Weight, Primary	3
27	101925601	Plug, Drive Clutch	3
28	101929802	Kit, Fxd Face Dr Asm Fe290/350 (includes items 29 and 30)	1
29	N/A	Desiccant Bag (Not Shown)	1
30	101929801	Assembly, Fixed-Face Drive (includes items 31 through 33)	1
31	N/A	Fixed Face Assembly, Drive Clutch	1
32	1014288	Screw, 5/16-18 X 0.75 Thread-Forming	3
33	N/A	Pulley, Clutch	1
34	101916701	V-Belt	1
35	103345701	Screw 3/8-24x5.5 Hex Loc Ptch	1
36	808	Washer, 3/8 Type B Flat	1

Note: Item 29 not shown.


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DRIVE BELT

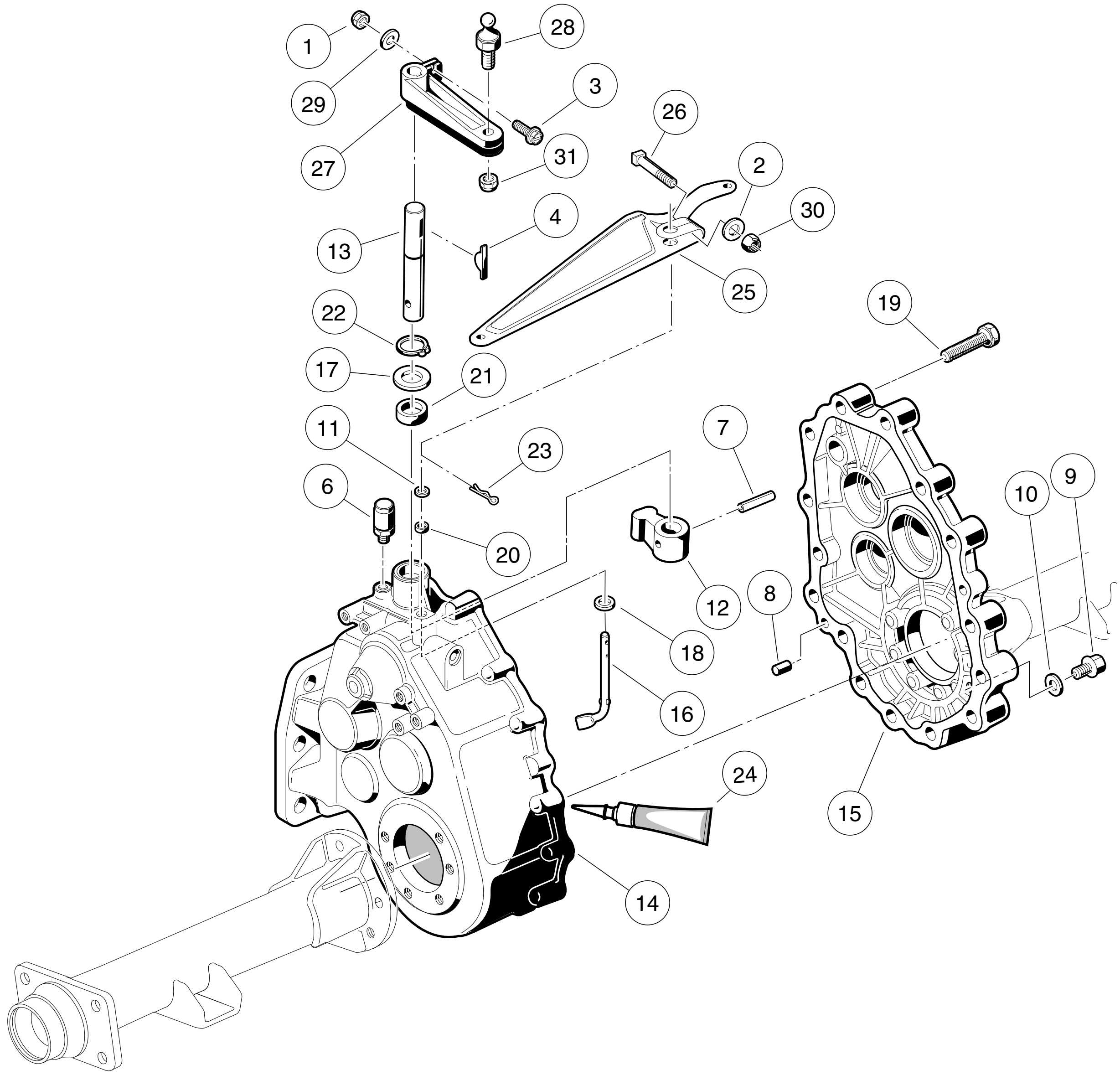
ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1016203	Belt, Drive	1


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DRIVEN CLUTCH

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	101834001	Assembly, Driven Clutch (includes items 2 through 10)	1
2	1014070	Fixed Face Assy, Driven Clutch	1
3	1014072	Movable-Face Assembly with Bushing	1
4	1014078	Key, Driven Clutch	1
5	1014080	Ring, Retaining	1
6	1014454	Kit, Driven Clutch Button (includes items 7 and 8)	1
7	1012836	Screw, #8-32 X 3/4 Socket-Head Cap	3
8	N/A	Button, Drive	3
9	1017686	Cam, Driven Clutch	1
10	101836201	Spring, Driven Clutch, Reversed	1
11	AM10419	Kit, Clutch Repair (includes items 12 through 14)	1
12	101833401	Key, 3/16 Sq X 1.50"	1
13	102155801	Washer, Driven Clutch	1
14	102242101	Screw, 5/16-18 X 3/4 Hex-Head with Patch	1

UNITIZED TRANSAXLE

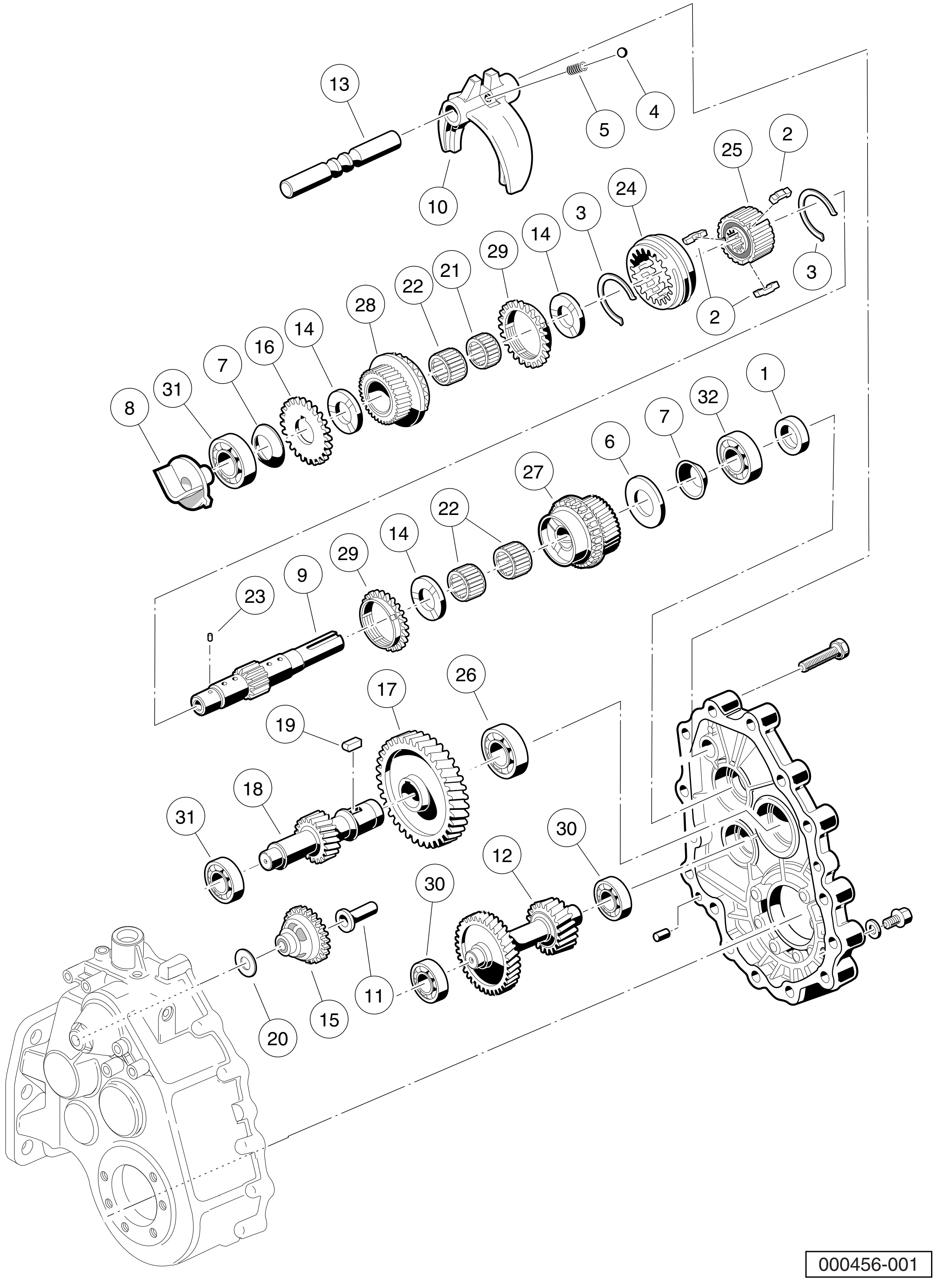

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UNITIZED TRANSAXLE – GEAR CASES AND BRACKETS

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1013061	Locknut, #10-32 Nylon Insert	1
2	1014007	Washer, 1/4 Flat	1
3	1017082	Screw, #10-32 X 0.75, Hex-Head Machine	1
4	1017231	Key, Woodruff	1
5	101833601	Transaxle, 11.77 Ratio (includes items 6 through 24)	1
6	1012711	Breather	1
7	1012752	Roll Pin	1
8	1012896	Pin, Dowel	2
9	1013760	Fill Plug	2
10	1016432	Gasket, Drain Plug	1
11	1016513	Washer, M6 Flat	1
12	101890101	Lever, Change	1
13	101890201	Shaft - Change	1
14	101890501	Gear Case (driver side)	1
15	101890601	Gear Case (passenger side)	1
16	101891301	Arm Pivot	1
17	101892901	Washer	1
18	101893801	Washer	1
19	101926901	Screw, M8-1.25 X 40mm Hex-Head	15
20	101927101	Seal, Oil	1
21	101927201	Seal, Oil	1
22	101927301	Snap Ring	1
23	101928601	Pin, Cotter	1
24	101928701	Liquid Gasket (Transaxle case)	A/R
25	101834801	Arm, Governor	1
26	101886101	Screw, 1/4-20 X 1.00 Square-Head	1
27	102515401	Lever, Transmission Shift	1
28	102526201	Stud, Thread, 1/4-28	1
29	183	Washer, #10 Type A Flat	1
30	8233	Locknut, 1/4-20 Nylon Insert	1
31	8717	Locknut, 1/4-28 Nylon Insert	1

Note: Unitized transaxle component listings span several pages.


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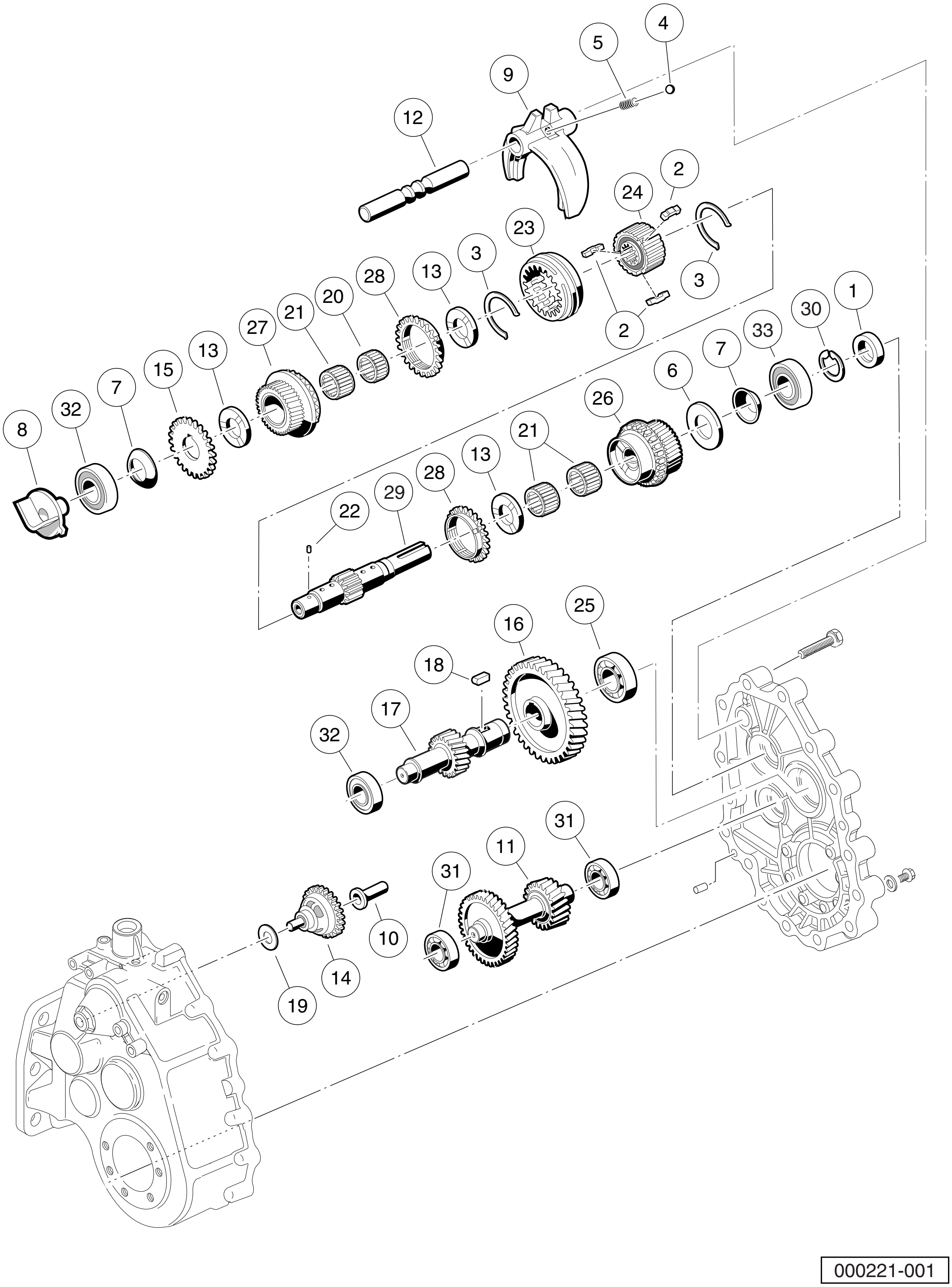
UNITIZED TRANSAXLE – F&R TRANSMISSION AND GEAR REDUCTION – EARLIER VERSION

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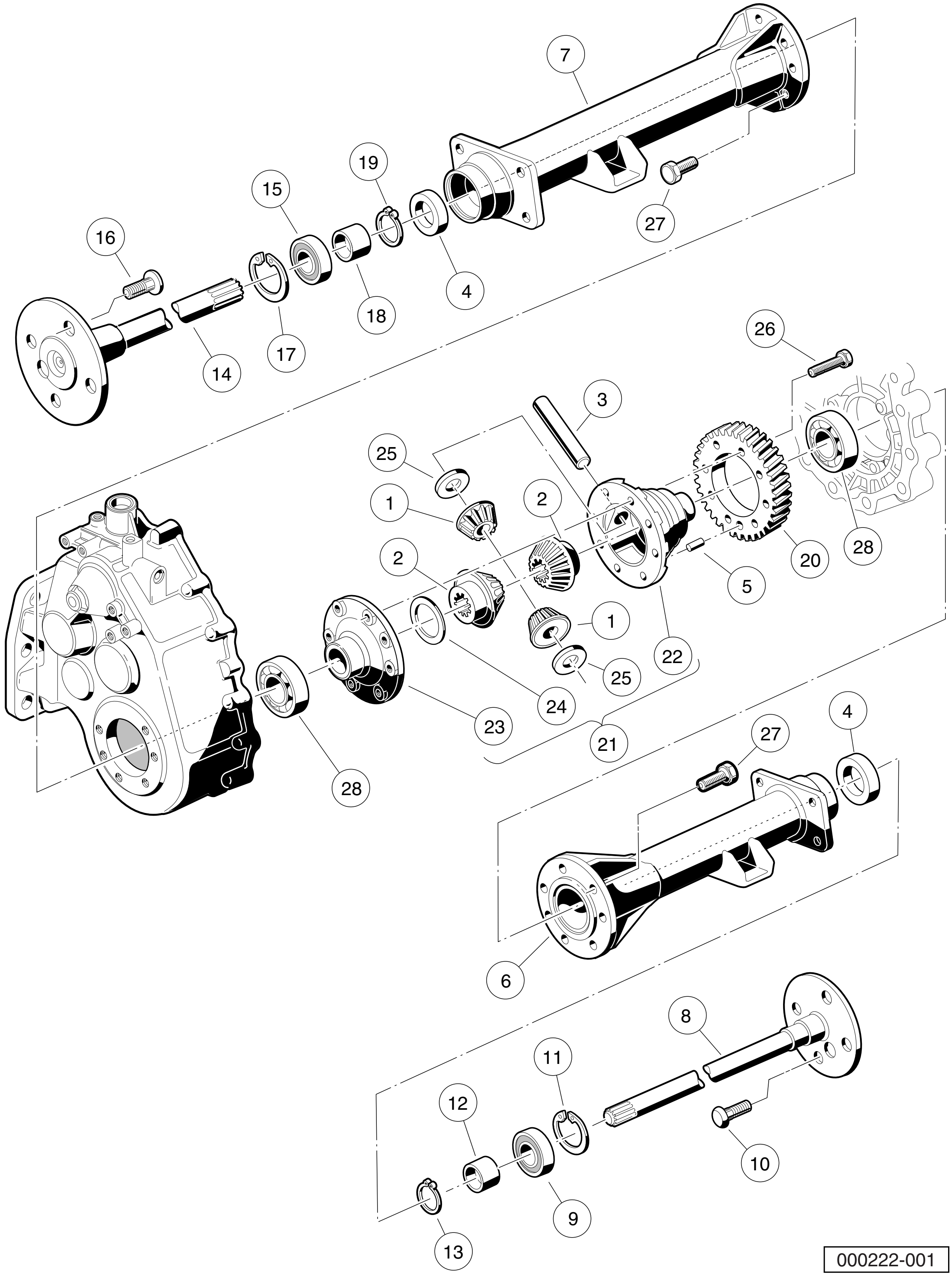
ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1012714	Oil Seal	1
2	1012740	Synchro Insert	3
3	1012741	Synchro Spring	2
4	1012747	Shifter Ball	1
5	1012748	Shifter Spring	1
6	1016337	Washer, Thrust	1
7	1016338	Washer, Spring	2
8	101889401	Guide	1
9	101889901	Shaft, Input	1
10	101890001	Fork - Shift	1
11	101891601	Sleeve, Governor	1
12	101891901	Gear, Cluster	1
13	101892001	Rod, Shift	1
14	101892201	Plate, Thrust	3
15	101892301	Governor Assembly	1
16	101892401	Gear, Spur	1
17	101892501	Gear, Helical (61 Tooth)	1
18	101892601	Gear, Helical (17 Tooth)	1
19	101893201	Key Sunk	1
20	101893901	Washer	1
21	101927501	Needle Bearing	1
22	101927601	Needle Bearing	3
23	101927701	Pin, .116" Dia X 0.264 Dowel	1
24	101927901	Sleeve, Synchro	1
25	101928001	Hub, Synchro Clutch	1
26	101928101	Bearing, Ball	1
27	101980801	Gear Assembly, 16-Degree Synchro (25 Tooth)	1
28	101980901	Gear Assembly, 16-Degree Rear Synchro (28 Tooth)	1
29	101981001	Ring, 16-Degree Synchronizer	2
30	7335	Bearing	2
31	AM10080	Bearing, Ball, Sealed	2
32	AM10081	Bearing, Ball, Sealed	1

Note: Items listed on this page are components of the unitized transaxle.


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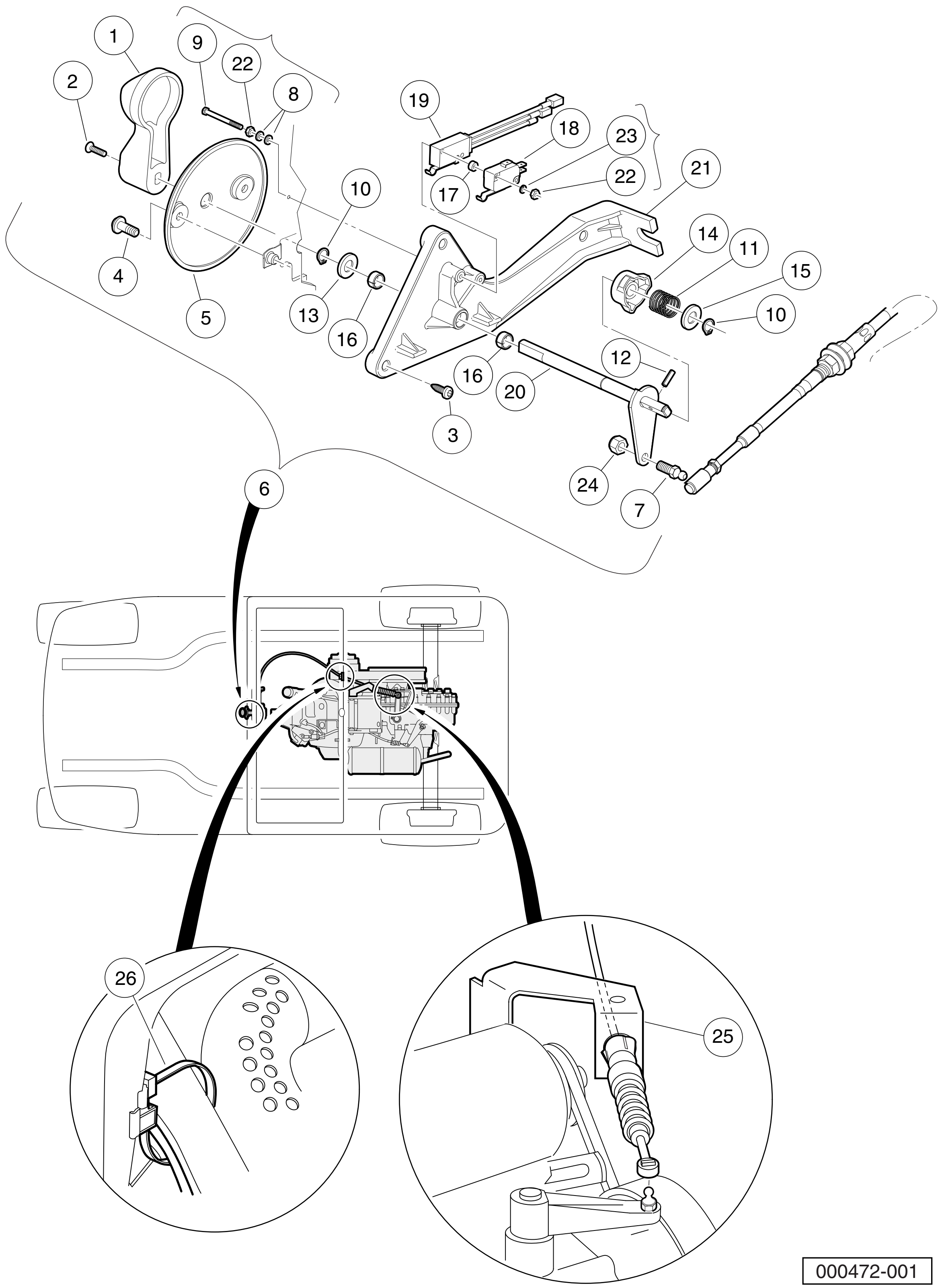
UNITIZED TRANSAXLE – F&R TRANSMISSION AND GEAR REDUCTION – LATER VERSION

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1012714	Oil Seal	1
2	1012740	Synchro Insert	3
3	1012741	Synchro Spring	2
4	1012747	Shifter Ball	1
5	1012748	Shifter Spring	1
6	1016337	Washer, Thrust	1
7	1016338	Washer, Spring	2
8	101889401	Guide	1
9	101890001	Fork - Shift	1
10	101891601	Sleeve, Governor	1
11	101891901	Gear, Cluster	1
12	101892001	Rod, Shift	1
13	101892201	Plate, Thrust	3
14	101892301	Governor Assembly	1
15	101892401	Gear, Spur	1
16	101892501	Gear, Helical (61 Tooth)	1
17	101892601	Gear, Helical (17 Tooth)	1
18	101893201	Key Sunk	1
19	101893901	Washer	1
20	101927501	Needle Bearing	1
21	101927601	Needle Bearing	3
22	101927701	Pin, .116" Dia X 0.264 Dowel	1
23	101927901	Sleeve, Synchro	1
24	101928001	Hub, Synchro Clutch	1
25	101928101	Bearing, Ball	1
26	101980801	Gear Assembly, 16-Degree Synchro (25 Tooth)	1
27	101980901	Gear Assembly, 16-Degree Rear Synchro (28 Tooth)	1
28	101981001	Ring, 16-Degree Synchronizer	2
29	102453001	Shaft, Trans, with Circlip	1
30	102453101	Circlip	1
31	7335	Bearing	2
32	AM10080	Bearing, Ball, Sealed	2
33	AM10081	Bearing, Ball, Sealed	1


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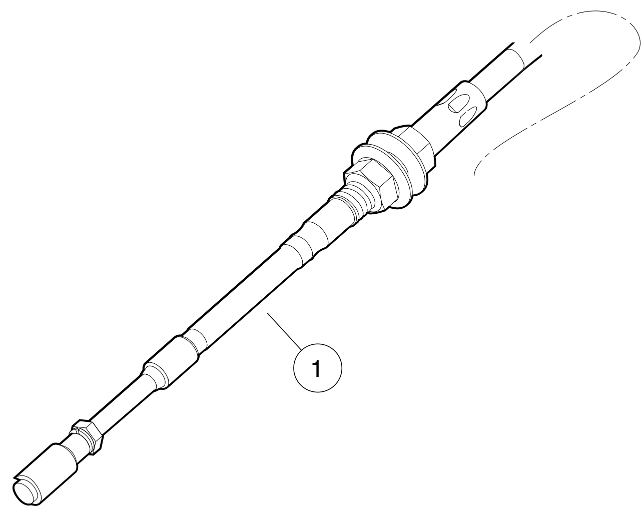
UNITIZED TRANSAXLE – DIFFERENTIAL AND AXLES

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1013770	Differential Idler Gear	2
2	1013771	Gear, Differential	2
3	1013772	Pin, Differential	1
4	1013794	Axle Shaft Oil Seal	2
5	N/A	Dowel Pin	1
6	101890901	Pipe	1
7	101891001	Pipe	1
8	101891401	Axle Assembly, Passenger Side (includes items 9 through 13)	1
9	1011291	Outer Axle, Tube Bearing	1
10	1013787	Lug Stud	4
11	1013792	Circlip Type C	1
12	1014207	Bushing	1
13	1016672	Retaining Ring	1
14	101891501	Axle Assembly, Driver-Side (includes items 15 through 19)	1
15	1011291	Outer Axle, Tube Bearing	1
16	1013787	Lug Stud	4
17	1013792	Circlip Type C	1
18	1014207	Bushing	1
19	1016672	Retaining Ring	1
20	101892701	Gear, Helical	1
21	101910501	Kit, Differential Gear Case (includes items 22 through 25)	1
22	1013768	Differential Gear Case, Left-Hand	1
23	1013769	Differential Gear Case, Right-Hand	1
24	1013773	Plate, Thrust (Differential Gear)	1
25	1013774	Plate, Thrust (Idler Gear)	2
26	101928301	Screw, M8-1.25 X 35mm Hex Head	8
27	102031901	Bolt, M10 X 1.5 X 30mm	14
28	7330	Inner Axle Tube Bearing	2


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FORWARD/REVERSE SHIFTER ASSEMBLY – GASOLINE VEHICLE

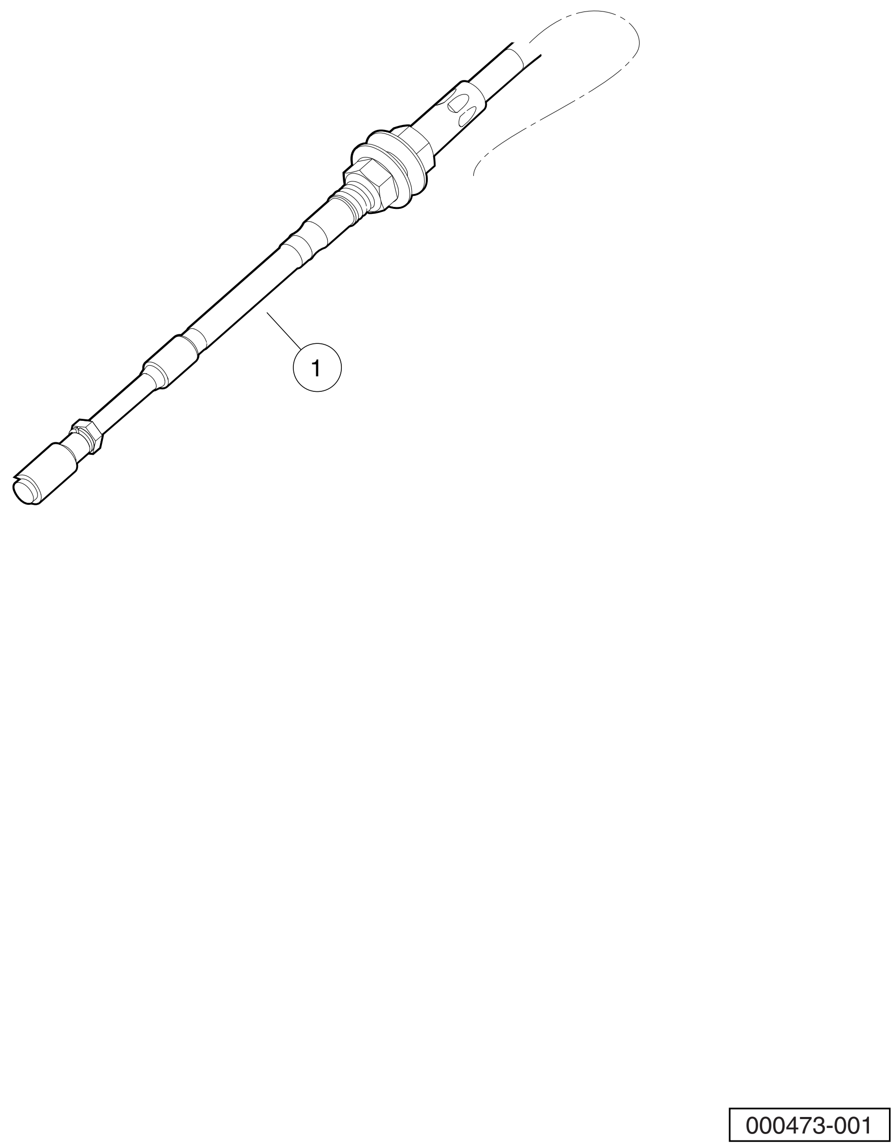
ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1012987	Handle, FNR	1
2	1015064	Screw, #8-32 X 0.63 Machine	1
3	102296040	Screw, Torx Pan Hd Pt, M6 X 40	3
4	102296920	Screw, M6 Torx Bttn Hd Sems	2
5	102512001	Bezel, FNR Gas	1
6	N/A	Assembly - Gas F-n-r Shifter (includes items 7 through 24)	1
7	1010954	Stud, 1/4-28 X 0.560 Ball	1
8	1012431	Washer, #4 Flat	4
9	1012594	Screw, #4-40 Machine	2
10	1013589	Ring, 0.338" Internal Retaining	2
11	1013590	Spring, FNR Cam	1
12	1013591	Pin, 1/8 X 1/2 Roll	1
13	1014065	Washer, 0.38" ID Delrin Flat	1
14	1014089	Neutral Lockout Cam Kit (includes item 15)	1
15	1014065	Washer, 0.38" ID Delrin Flat	1
16	1014145	Bushing, Secondary Weight, Split	2
17	1014727	Washer, #4 Nylon Flat	2
18	1014807	Switch, Limit	1
19	101979101	Assembly, Switch, Limit	1
20	102515301	Weldment, F-n-r Gas	1
21	102515601	Base, Gas FNR Shifter	1
22	8057	Nut, #4-40 Hex Machine	4
23	8058	Lockwasher, #4 Split	2
24	8717	Locknut, 1/4-28 Nylon Insert	1
25	102515501	Bracket-trans Cable Support	1
26	102554901	Clip,edge,trans Shift Cable	1



000473-001

TRANSMISSSION CABLE – 2005 VEHICLE

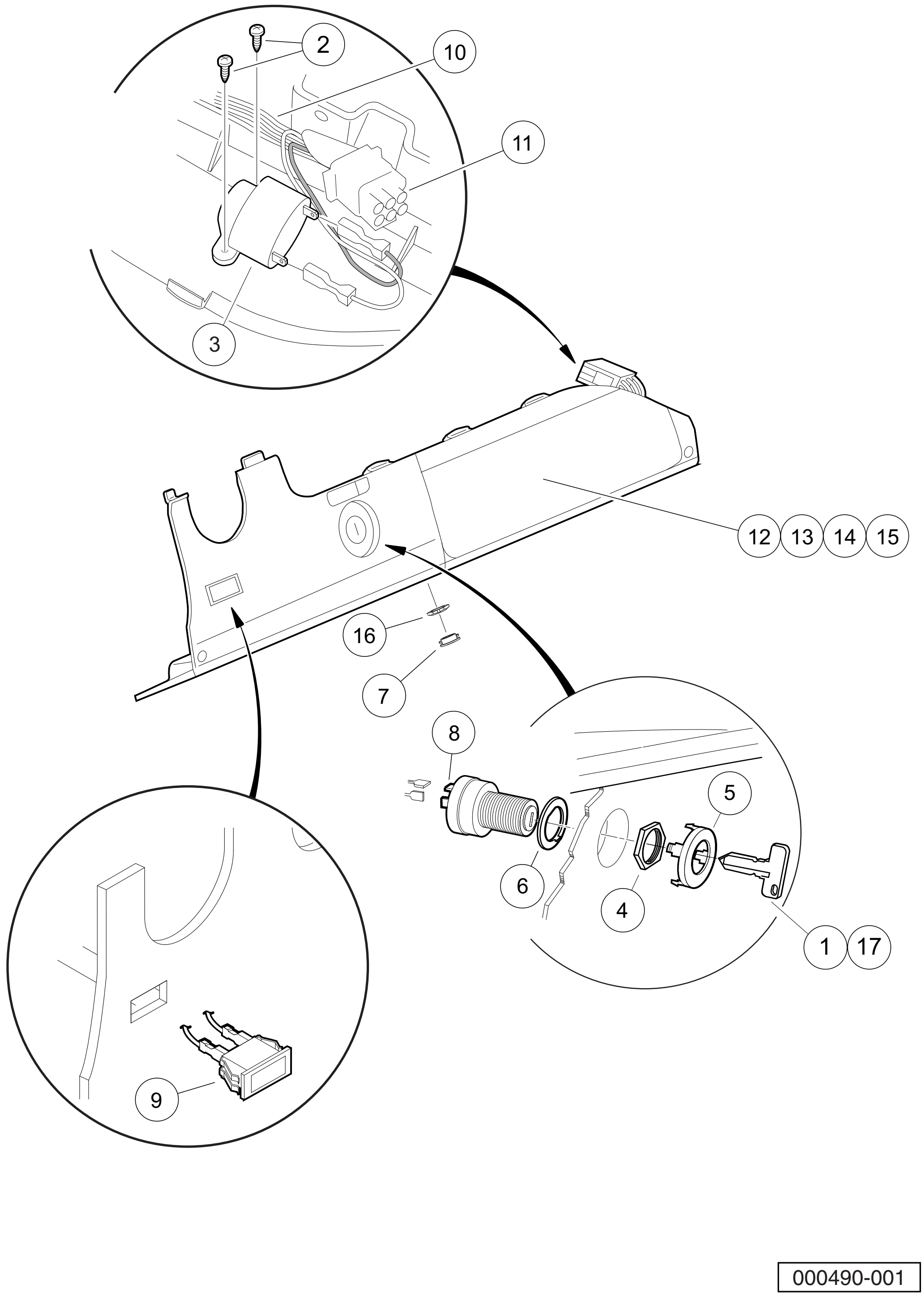
ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	102516001	Cable, Transmission	1


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000473-001

TRANSMISSION CABLE – 2006 VEHICLE

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	103379601	Cable, Transmission, Prec	1

ELECTRICAL SYSTEM – ELECTRIC VEHICLE


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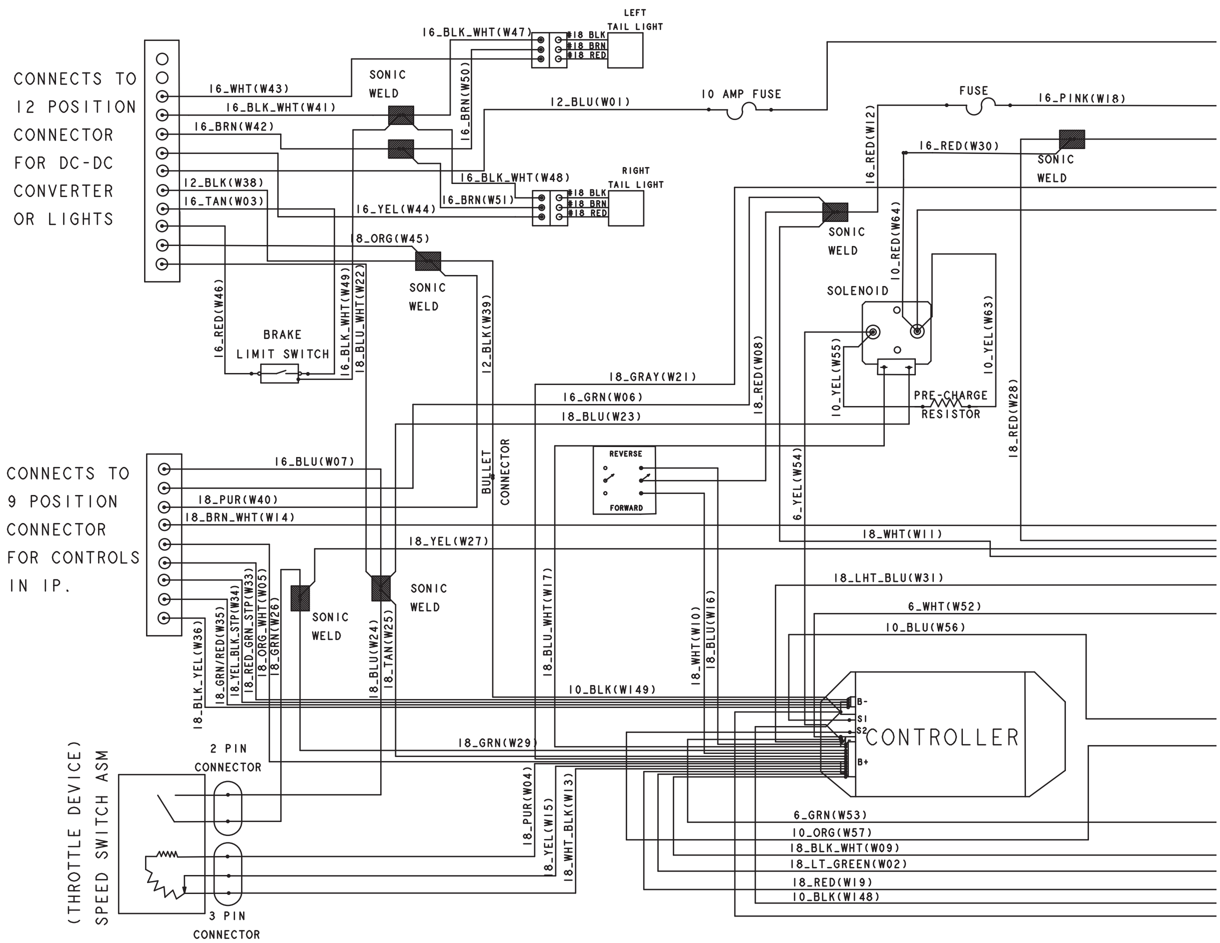
ELECTRICAL COMPONENTS, FRONT BODY – ELECTRIC VEHICLE

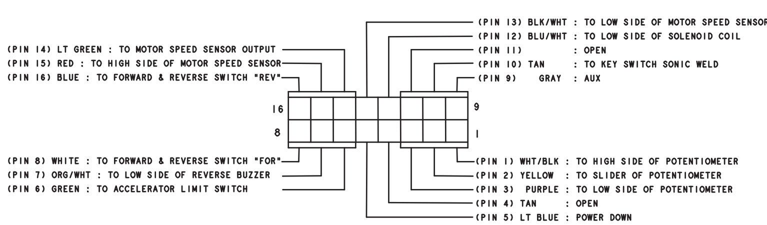
ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1012505	Keys (set of 2)	1
2	1016849	Screw, #4-24 X 0.33 Pan-Head Machine	2
3	1016851	Buzzer, Reverse (9-48 VDC)	1
4	101830701	Nut, Key Switch	1
5	101834502	Cap, Black Key Switch	1
6	101851101	Washer, Key Switch	1
7	102196901	Dust Cap	1
8	102508601	Key Switch, Electric	1
9	102508701	Light, Battery	1
10	102510001	Ip Control Harness, Elec (includes item 11)	1
11	N/A	Connector, Cap 9-pin	1
12	102522901	Instrument Panel (standard)	1
13	102536601	Instrument Panel (with Hole for Headlight Switch)	1
14	102536603	Instrument Panel (with Hole for Battery Condition Indicator)	1
15	102536605	Instrument Panel (with Hole for Headlight Switch and Battery Condition Indicator)	1
16	102572401	Nut, Diagnostic Port, Prec	1
17	AM10079	Bulk Std Keys (50) *	1
		* Note: Must order in multiples of 50.	

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IQ SYSTEM VEHICLE - STYLE A BATTERY CONFIGURATION

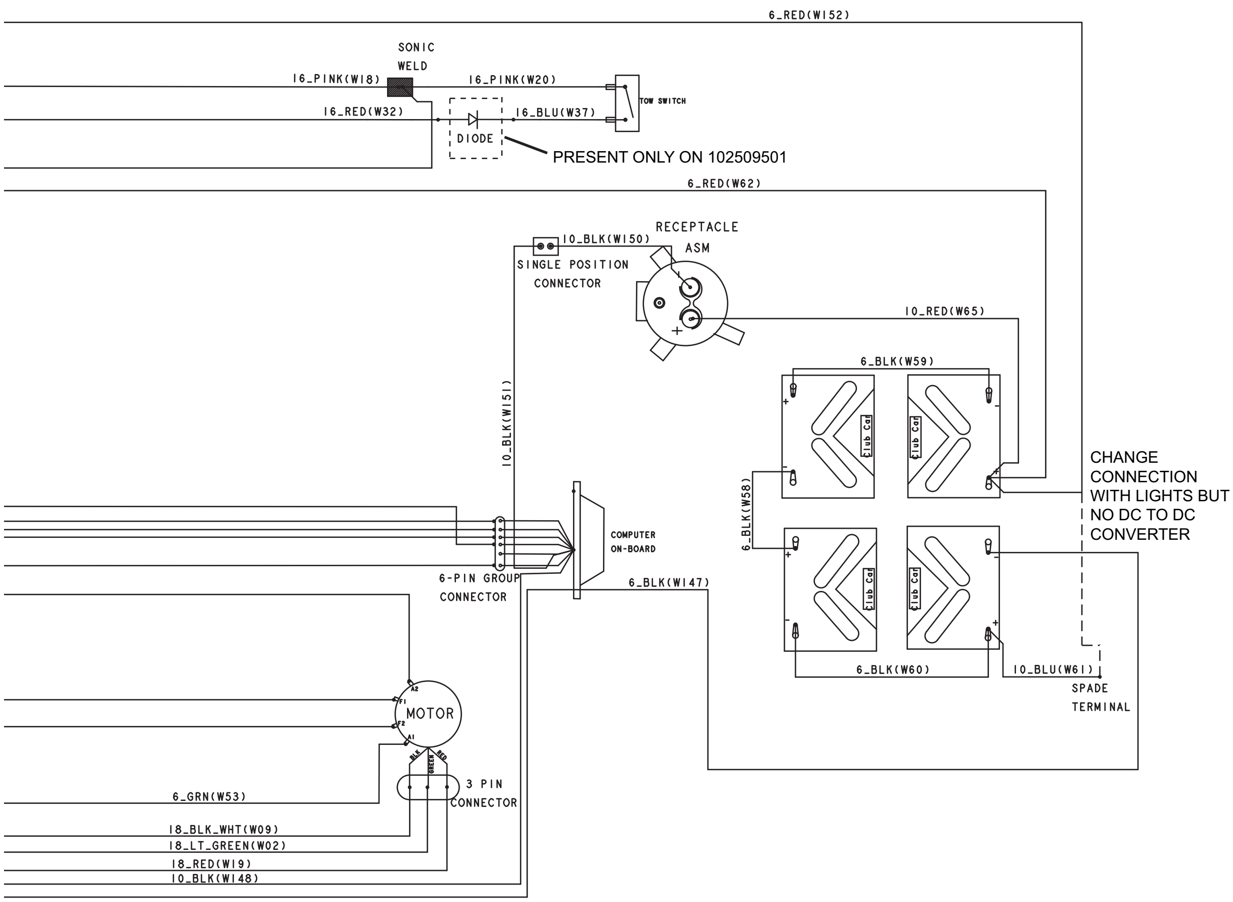
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16 - PIN CONNECTOR AT CONTROLLER

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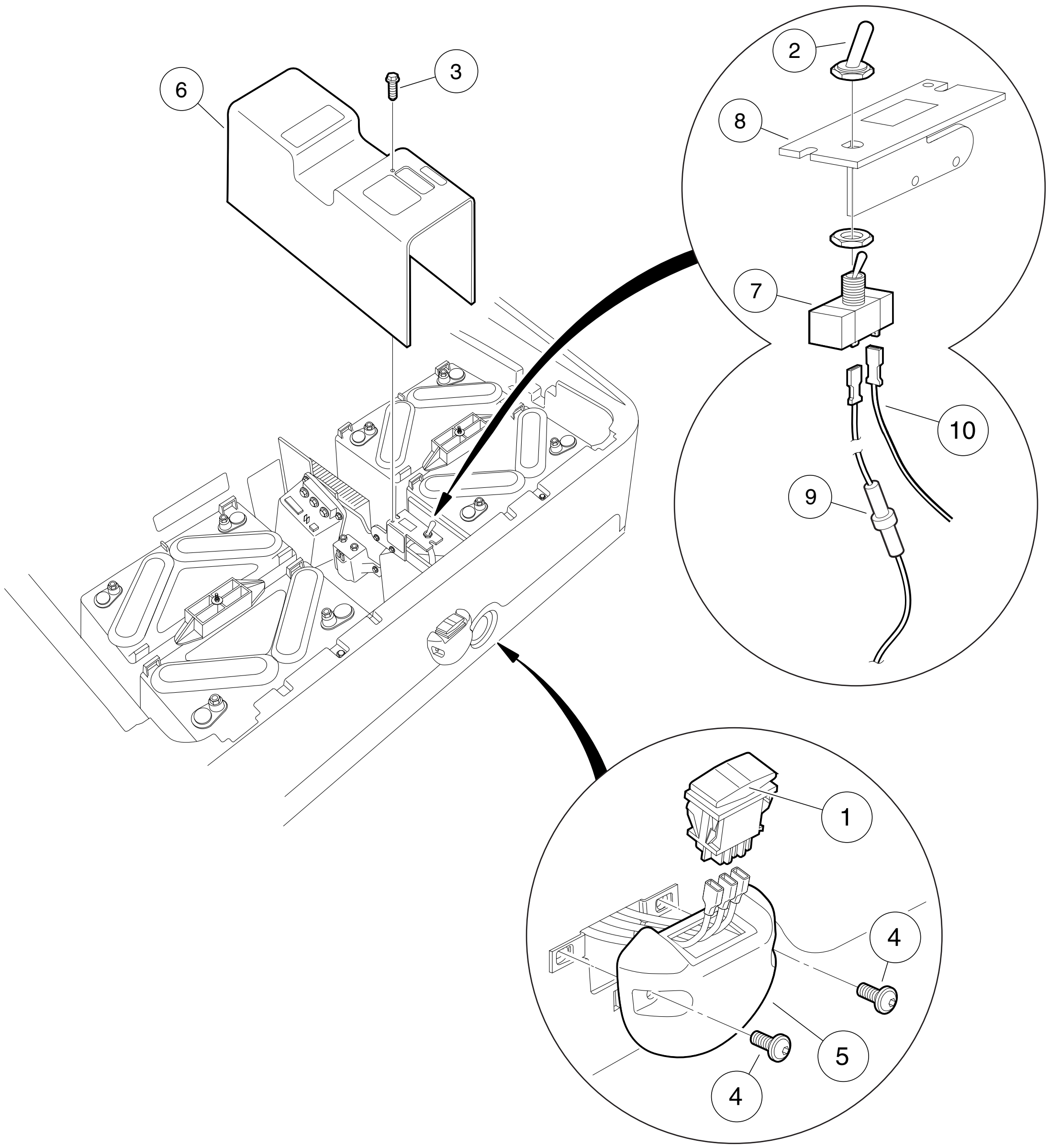
NOTE:
SOME WIRING / COMPONENTS SHOWN
ARE OPTIONAL ACCESSORIES

000498-001

See previous two pages for illustration.

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	102510101	Motor Sub-harness	1
2	102550301	Sub Harness Charger, Prec	1
3	102585801	Prec Elec Harness For 1510a	1
4	102590001	Prec Ce Tow-switch Diode	1

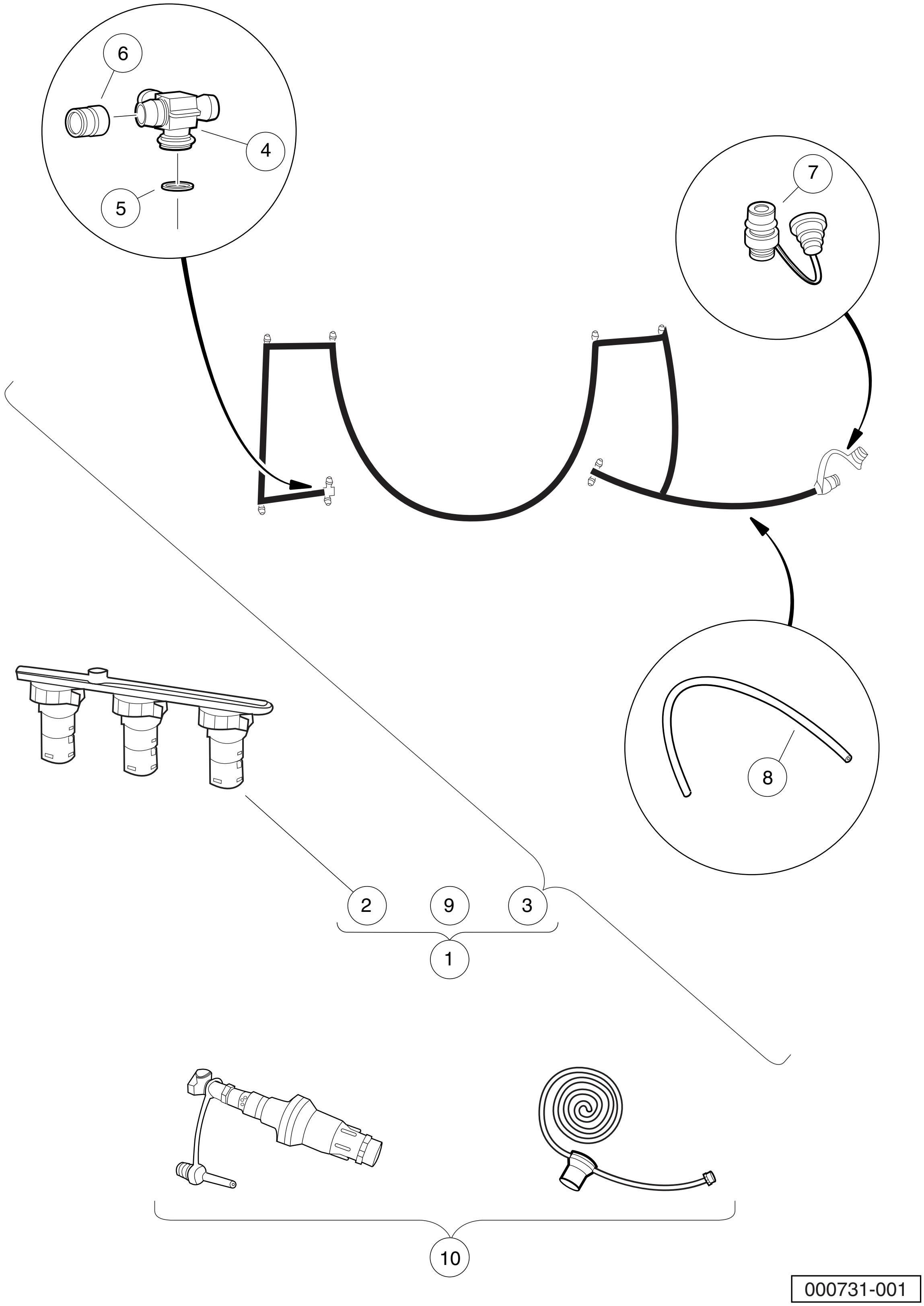
Note: Item 4 is used on vehicles going to the European Union.



000462-001

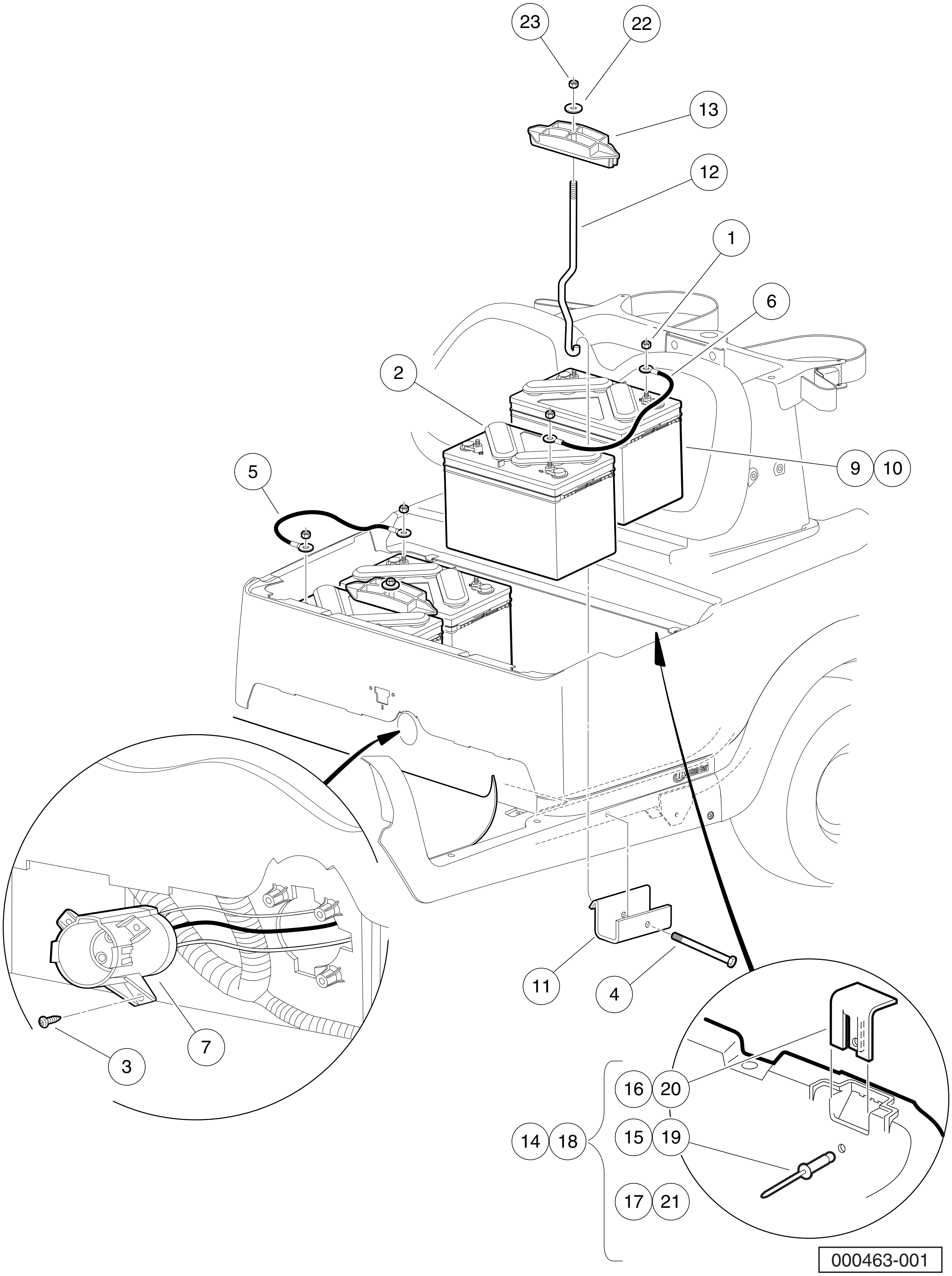
FORWARD/REVERSE SWITCH AND TOW/RUN SWITCH – ELECTRIC VEHICLE

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	101856002	Switch, Rocker, Single-Pole	1
2	101908401	Boot, Switch	1
3	102296716	Screw, M6 X 16 Tt Hx Fl Hd	1
4	102296920	Screw, M6 Torx Bttn Hd Sems	2
5	102508401	Housing, FNR Electric	1
6	102510901	Cover, Electronics Module	1
7	102511101	Switch, Tow	1
8	102520001	Hour Meter/tow Switch Bkt	1
9	102538601	15 Amp Fuse	1
10	102576801	Diode Asm, Precedent	1


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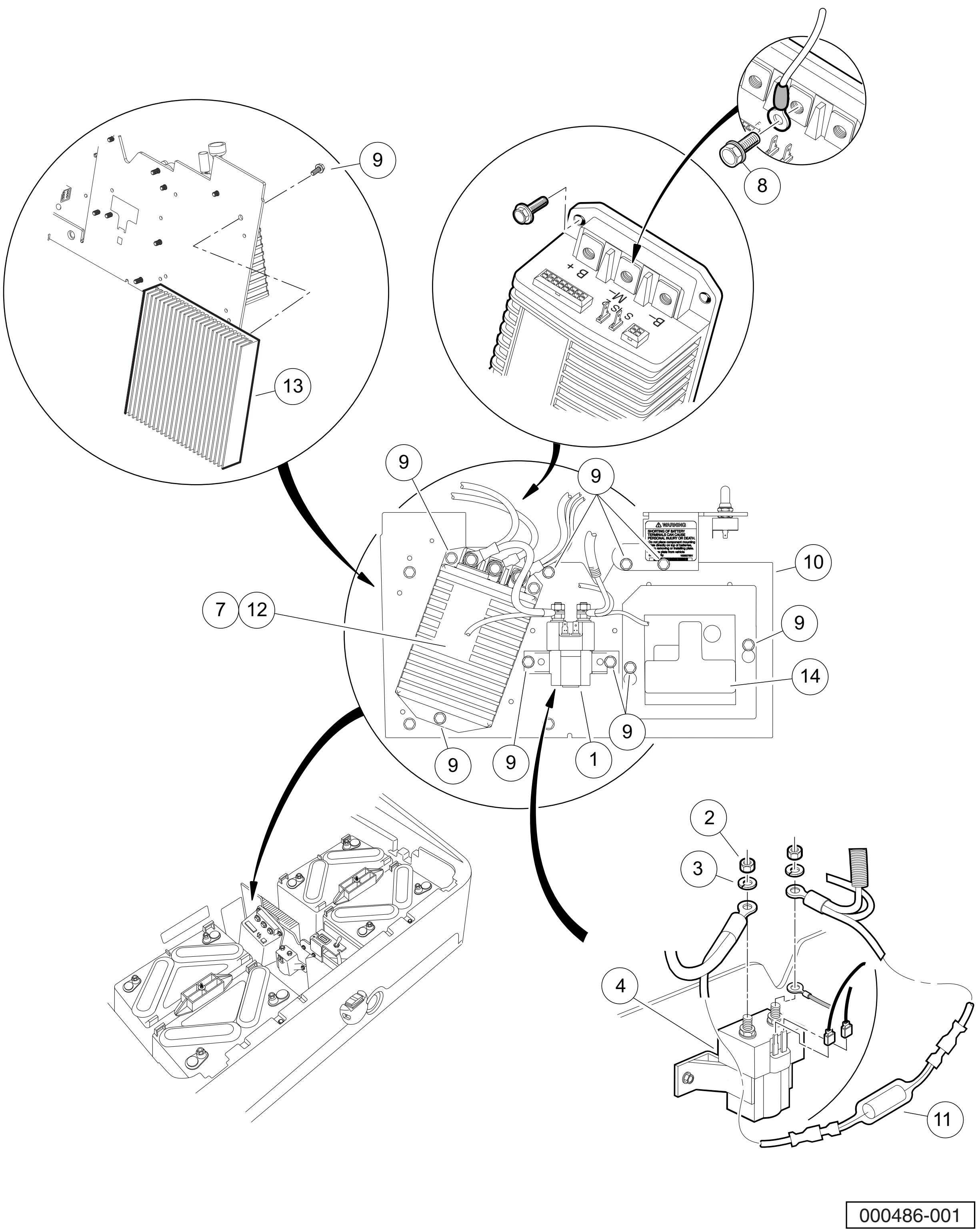
SINGLE POINT WATERING SYSTEM

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	102956301	Kit Spws Prec Fr (includes items 2 through 9)	1
2	102956401	Manifold, SPWS (Single-Point Watering System)	8
3	102956501	Assy Tube Single-Point Watering System, Precedent (includes items 4 through 8)	1
4	103226201	Fitting Spws Swivel T	8
5	103226301	O-ring Spws Swivel T	8
6	103226401	Cap Spws Swivel T Red	9
7	103226601	Coupler Male Spws Supply	1
8	103226701	Tubing Spws	1
9	N/A	Instr Spws Kit Prec Ds Fr	1
10	102958001	Kit Regulated Hose Sply Spws	1


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BATTERIES, BUCKET, AND CHARGER RECEPTACLE – ELECTRIC VEHICLE

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1014304	Nut, 5/16-18 Stainless-Steel Hex	8
2	101831401	Battery Cap 6 Volt	8
3	102293512	Screw-k35 Torx Pan Head Pt	3
4	102298770	M8-1.25x70 Taptite	2
5	102509701	Cable - Ev Passenger Jumper	1
6	102509801	Cable - Ev Rear Jumper	2
7	102510201	Receptacle Asm	1
8	102510601	Bucket-Electric Vehicle (not shown)	1
9	102511301	Battery, Ventmaster 12-Volt (Wet)	4
10	102511302	Battery, Ventmaster 12-Volt (Dry, also known as moist)	4
11	102526401	Support - Battery Clamp	2
12	102526801	Rod - Battery Clamp	2
13	102534001	Clamp - Battery	2
14	102577001	Kit, Bucket Closeout (includes items 15 through 17)	1
15	1013357	Rivet, 5/32 Aluminum Pop	2
16	N/A	Bracket, Bucket Closeout	2
17	N/A	Instr. Bucket Closeout	1
18	102577002	Kit, Bucket Closeout - 10 Sets (includes items 19 through 21)	1
19	1013357	Rivet, 5/32 Aluminum Pop	20
20	N/A	Bracket, Bucket Closeout	20
21	N/A	Instr. Bucket Closeout	1
22	808	Washer, 3/8 Type B Flat	2
23	8754	Locknut, 3/8-16 Hex	2


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COMPUTER, CONTROLLER, AND SOLENOID – ELECTRIC VEHICLE

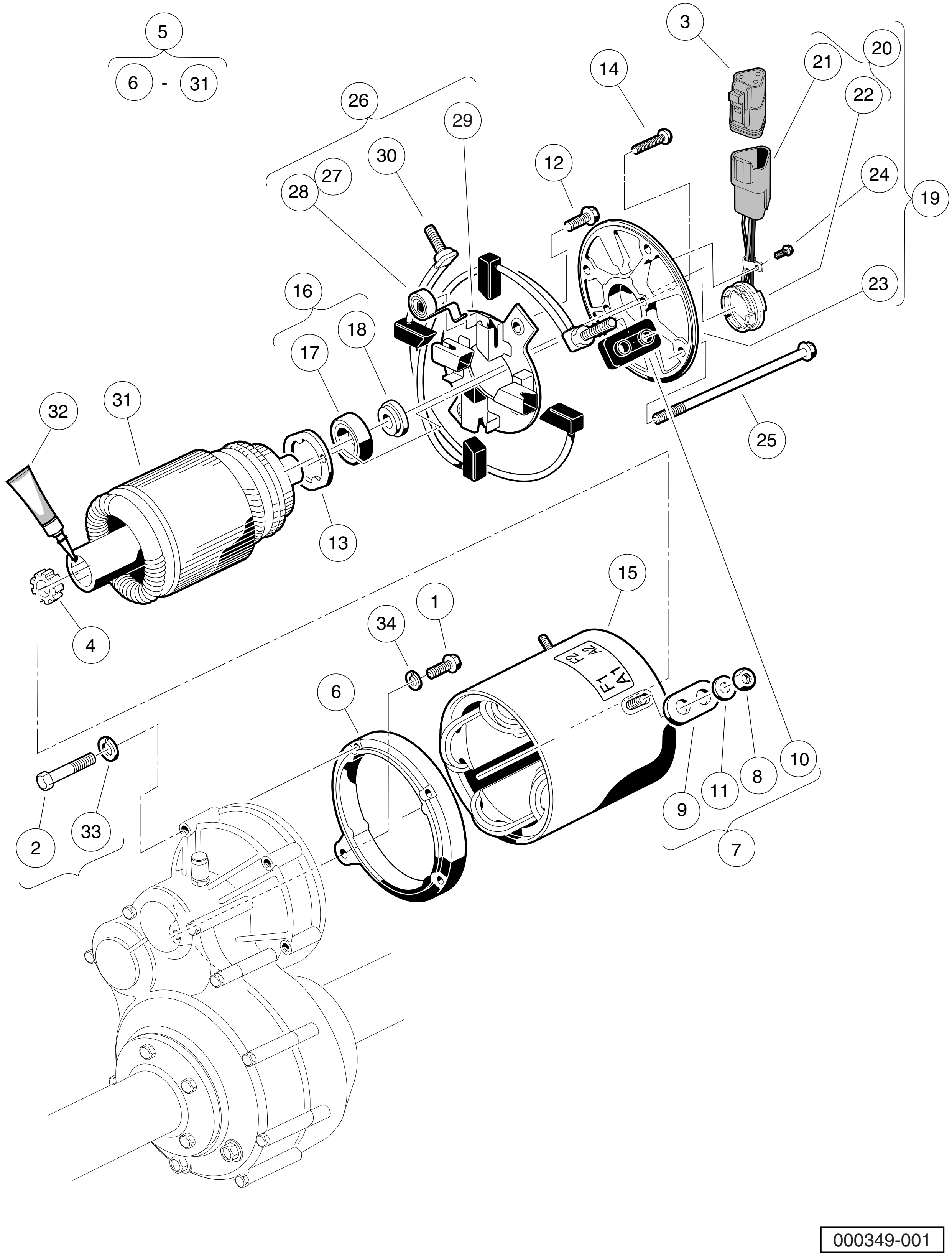
ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	101908701	Solenoid, 48-Volt (includes items 2 through 6)	1
2	1012528	Nut, M8-1.25 Hex	2
3	1013734	Lockwasher, 8mm Split	2
4	N/A	Solenoid, 48-Volt	1
5	N/A	Washer, Lock	2
6	N/A	Nut	2
7	101956503	Controller, 48-volt, IQ, CE Mark	1
8	102240501	Bolt, Controller, Terminal	3
9	102296716	Screw, M6 X 16 Tt Hx Fl Hd	13
10	102510802	Plate - Heat Sink Mntg Solnd	1
11	102522701	Asm, Pre-charge Resistor	1
12	102806201	Controller, IQ, 48-volt	1
13	N/A	Heat Sink Prec	1
14	103403201	Precedent V3.0 Obc	1

Note: Item 7 is for vehicles shipped to the European Union. Items 5 & 6 are not used in this application.

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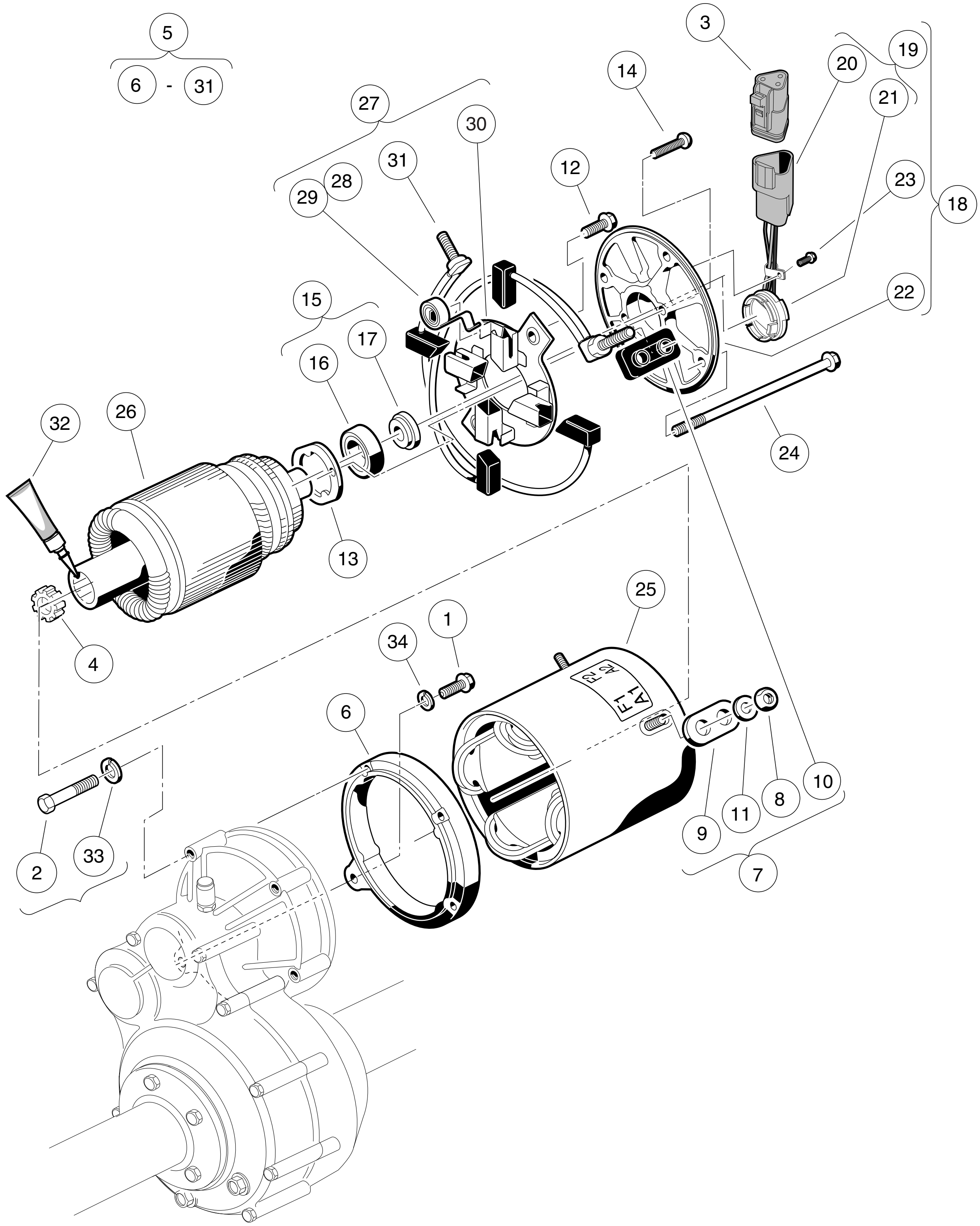
ELECTRIC MOTOR


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MOTOR (MODEL 5BC59JBS6365) – ELECTRIC VEHICLE

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1010934	Screw, 5/16-18 X 1.00 Hex Cap	1
2	1014201	Screw, 1/4-20 X 2.25 Hex Cap	3
3	101920101	Kit, 3-Pin Wedge Lock	1
4	102235201	Bumper, Drive Unit	1
5	N/A	Motor, 48-Volt Shunt-Wound * (includes items 6 through 31)	1
6	1017944	End Shield	1
7	1017947	Hardware Package (includes items 8 through 11)	1
8	1011280	Locknut, 5/16-18	4
9	N/A	Insulator Bushing	2
10	N/A	Insulated Bushing	2
11	1241	Washer, 5/16 Type A Flat	4
12	1017949	Screw, #6-32 X 0.480 Hex-Head	2
13	1017950	Bearing Retainer	1
14	1017953	Screw, Bearing Retainer	2
15	102265501	Stator Shell and Winding	1
16	102265701	Kit, Bearing and Magnet (includes items 17 and 18)	1
17	1011290	Ball Bearing	1
18	102265801	Magnet	1
19	102265901	Motor End Shield Asm (includes items 20 through 24)	1
20	102265601	Speed Sensor Assembly (includes items 21 and 22)	1
21	101942301	Kit, 3-Pin Wedge Lock	1
22	N/A	Sensor, Speed, without Connector	1
23	102266001	End Shield, Motor	1
24	102267001	Screw, #8-32 X 0.375 Hex-Head	1
25	102266101	Screw, #10 - 32 X 8.250	4
26	102327801	Brush Assembly, Beveled (includes items 27 through 30)	1
27	1011411	Kit, Brush Spring (ge Motor) (includes item 28)	1
28	N/A	Brush Spring	4
29	1017948	Brush Rigging	1
30	102251901	Brush Kit, Motor	1
31	N/A	Armature	1
32	102243403	Lubricant, Moly-Teflon (Single-Use Tube)	1
33	451	Lockwasher, 1/4 Split	3
34	7174	Lockwasher, 5/16 Split	1

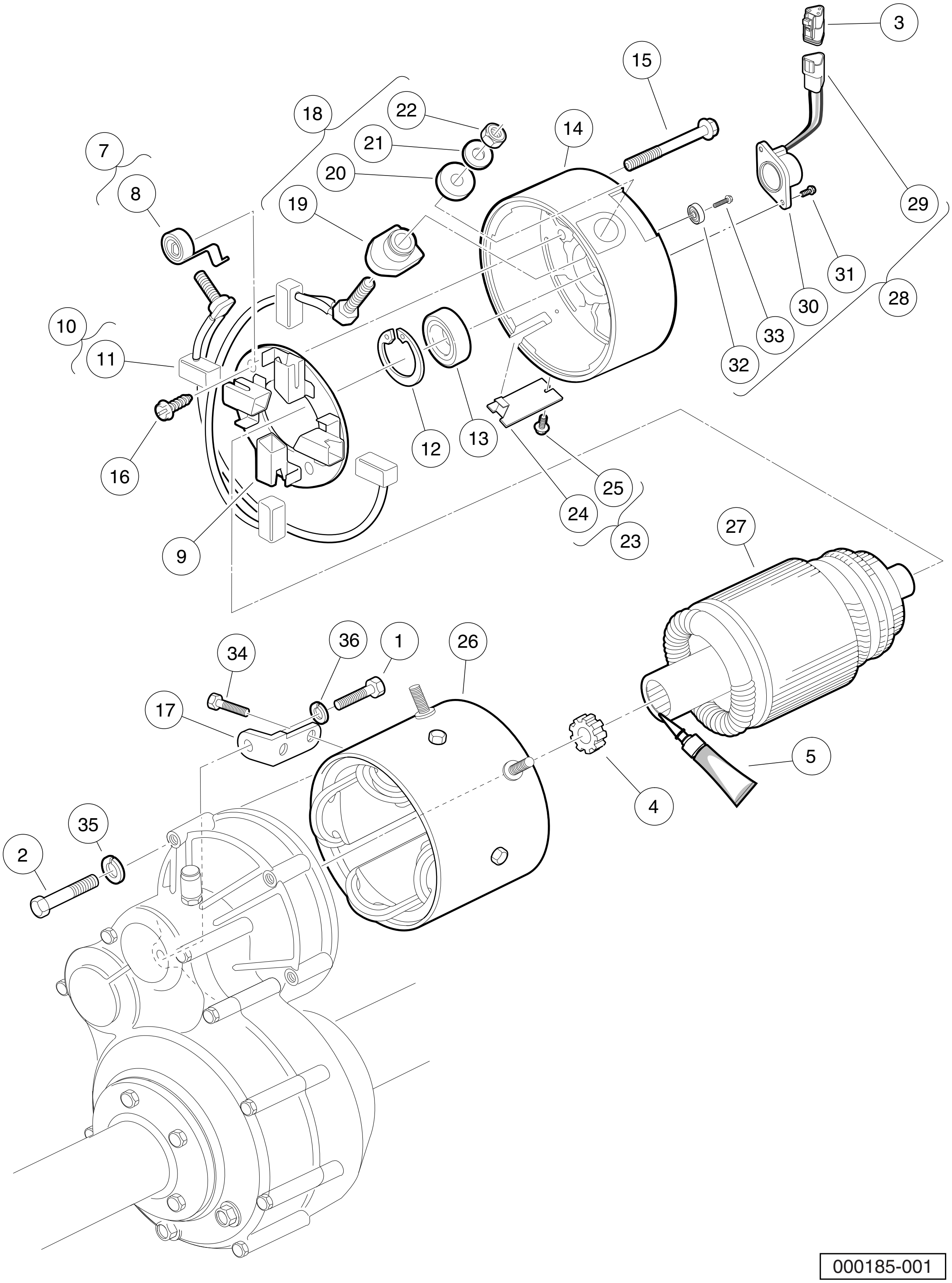
* Note: The model 5BC59JBS6365 motor has been discontinued. To replace the motor, use motor model EJ8-4001A.


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MOTOR (MODEL 5BC59JBS6390) – ELECTRIC VEHICLE

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1010934	Screw, 5/16-18 X 1.00 Hex Cap	1
2	1014201	Screw, 1/4-20 X 2.25 Hex Cap	3
3	101920101	Kit, 3-Pin Wedge Lock	1
4	102235201	Bumper, Drive Unit	1
5	N/A	Motor, 48-Volt Non-Skew IQ * (includes items 6 through 27)	1
6	1017944	End Shield	1
7	1017947	Hardware Package (includes items 8 through 11)	1
8	1011280	Locknut, 5/16-18	4
9	N/A	Insulator Bushing	2
10	N/A	Insulated Bushing	2
11	1241	Washer, 5/16 Type A Flat	4
12	1017949	Screw, #6-32 X 0.480 Hex-Head	2
13	1017950	Bearing Retainer	1
14	1017953	Screw, Bearing Retainer	2
15	102265701	Kit, Bearing and Magnet (includes items 16 and 17)	1
16	1011290	Ball Bearing	1
17	102265801	Magnet	1
18	102265901	Motor End Shield Asm (includes items 19 through 23)	1
19	102265601	Speed Sensor Assembly (includes items 20 and 21)	1
20	101942301	Kit, 3-Pin Wedge Lock	1
21	N/A	Sensor, Speed, without Connector	1
22	102266001	End Shield, Motor	1
23	102267001	Screw, #8-32 X 0.375 Hex-Head	1
24	102266101	Screw, #10 - 32 X 8.250	4
25	103325701	Stator Shell and Winding	1
26	103325801	Non Skew Armature	1
27	103337601	Brush Assembly, IQ Motor, Non-Skew (includes items 28 through 31)	1
28	1011411	Kit, Brush Spring (ge Motor) (includes item 29)	1
29	N/A	Brush Spring	4
30	103325501	Brush Rigging, Non-Skew Motor	1
31	103325601	Brush Set, Non-Skew	1
32	102243403	Lubricant, Moly-Teflon (Single-Use Tube)	1
33	451	Lockwasher, 1/4 Split	3
34	7174	Lockwasher, 5/16 Split	1

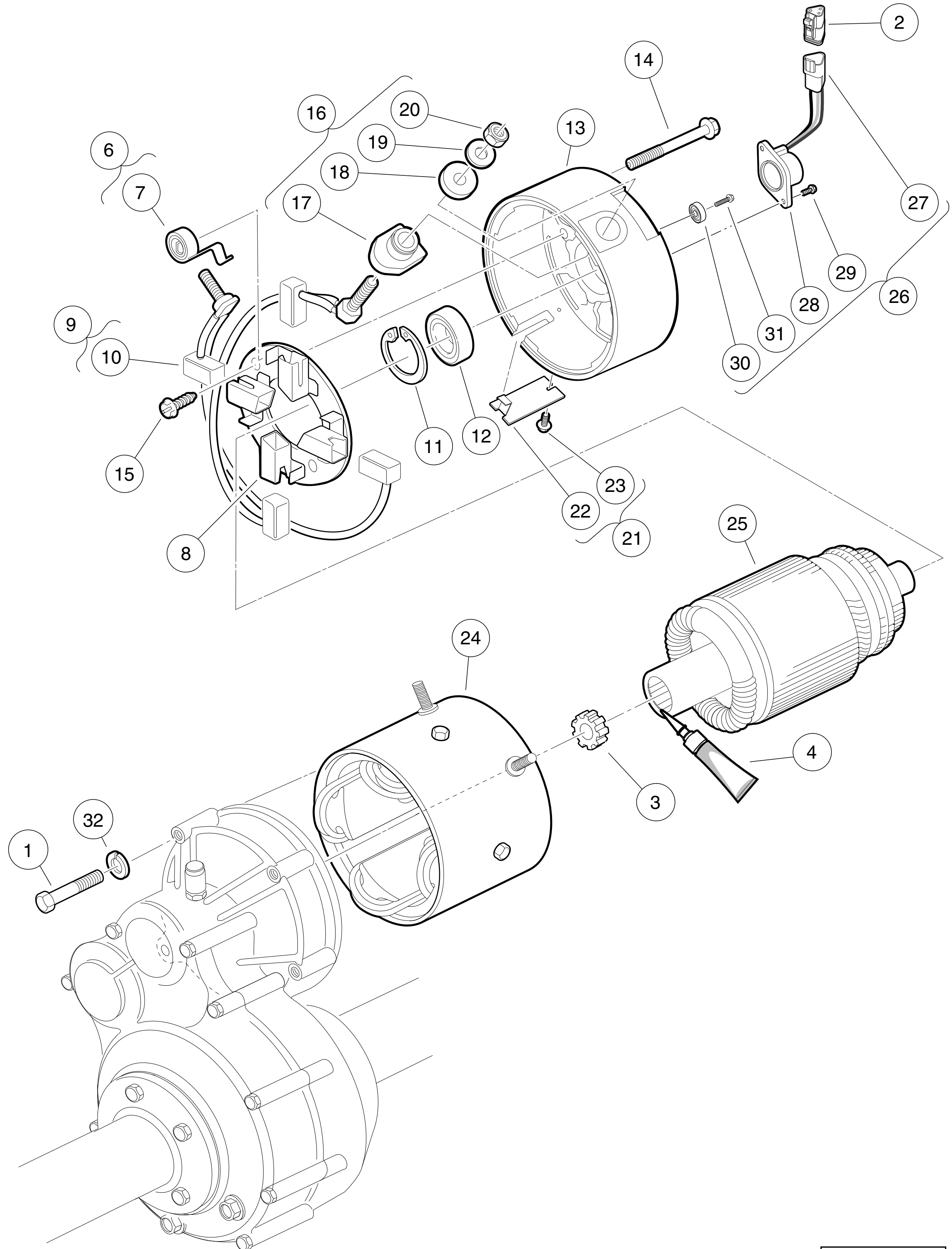
* Note: The model 5BC59JBS6390 motor has been discontinued. To replace the motor, use motor model EJ8-4001A.


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MOTOR (MODEL EJ4-4001) – ELECTRIC VEHICLE

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1010934	Screw, 5/16-18 X 1.00 Hex Cap	1
2	1014201	Screw, 1/4-20 X 2.25 Hex Cap	3
3	101920101	Kit, 3-Pin Wedge Lock	1
4	102235201	Bumper, Drive Unit	1
5	102243403	Lubricant, Moly-Teflon (Single-Use Tube)	1
6	N/A	IQ Electric Motor, 48-VDC 3.3 hp * (includes items 7 through 34)	1
7	102186001	Spring Kit, Motor Brush (includes item 8)	1
8	N/A	Spring, Brush, S-g	4
9	102186101	Brush Box Assembly	1
10	102186201	Brush Kit, Motor (includes item 11)	1
11	N/A	Assembly, Brush and Terminal	2
12	102186301	Ring, 2.24" Internal Retaining	1
13	102186401	Bearing, Ball	1
14	102186701	End Cap, Motor	1
15	N/A	Screw, 1/4-20 X 2.25 Hex-Head Washer	2
16	102186901	Screw, #8-32 X .5 Hex-Head	2
17	102187001	L-Bracket, Motor	1
18	102187101	Hardware Kit, Motor Terminal (includes items 19 through 22)	2
19	N/A	Bushing, Nylon	2
20	N/A	Washer, Nylon Flat	2
21	N/A	Washer, Flat, 5/16 Steel	2
22	N/A	Nut, Brass Hex, 5/16 - 18	2
23	N/A	Plate Kit, Motor Cover (includes items 24 and 25)	1
24	N/A	Assembly, Cover Plate	1
25	N/A	Screw, #8-32 x 0.375, Taptite Thread	1
26	102704701	Frame and Field Assembly	1
27	102704801	Armature Assembly	1
28	102704901	Kit, Speed Sensor (includes items 29 through 33)	1
29	101942301	Kit, 3-Pin Wedge Lock	1
30	N/A	Sensor, Motor Speed, ADC	1
31	N/A	Screw, #8-32, Taptite Thread	2
32	N/A	Magnet, ADC Motor	1
33	N/A	Screw, 1/4-20 x 0.5	1
34	N/A	Bolt, 1/4 - 20 x 0.73 Thread-Forming	2
35	451	Lockwasher, 1/4 Split	3
36	7174	Lockwasher, 5/16 Split	1

* Note: The model EJ4-4001 motor has been discontinued. To replace the motor, use motor model EJ8-4001A.


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MOTOR (MODEL EJ8-4001A) – ELECTRIC VEHICLE

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	1014201	Screw, 1/4-20 X 2.25 Hex Cap	3
2	101920101	Kit, 3-Pin Wedge Lock	1
3	102235201	Bumper, Drive Unit	1
4	102243403	Lubricant, Moly-Teflon (Single-Use Tube)	1
5	103572501	IQ Electric Motor, 48-VDC 3.3 hp (includes items 6 through 26)	1
6	102186001	Spring Kit, Motor Brush (includes item 7)	1
7	N/A	Spring, Brush, S-g	4
8	102186101	Brush Box Assembly	1
9	102186201	Brush Kit, Motor (includes item 10)	1
10	N/A	Assembly, Brush and Terminal	2
11	102186301	Ring, 2.24" Internal Retaining	1
12	102186401	Bearing, Ball	1
13	102186701	End Cap, Motor	1
14	N/A	Screw, 1/4-20 X 2.25 Hex-Head Washer	2
15	102186901	Screw, #8-32 X .5 Hex-Head	2
16	102187101	Hardware Kit, Motor Terminal (includes items 17 through 20)	2
17	N/A	Bushing, Nylon	2
18	N/A	Washer, Nylon Flat	2
19	N/A	Washer, Flat, 5/16 Steel	2
20	N/A	Nut, Brass Hex, 5/16 - 18	2
21	N/A	Plate Kit, Motor Cover (includes items 22 and 23)	1
22	N/A	Assembly, Cover Plate	1
23	N/A	Screw, #8-32 x 0.375, Taptite Thread	1
24	102704701	Frame and Field Assembly	1
25	102704801	Armature Assembly	1
26	102704901	Kit, Speed Sensor (includes items 27 through 31)	1
27	101942301	Kit, 3-Pin Wedge Lock	1
28	N/A	Sensor, Motor Speed, ADC	1
29	N/A	Screw, #8-32, Taptite Thread	2
30	N/A	Magnet, ADC Motor	1
31	N/A	Screw, 1/4-20 x 0.5	1
32	451	Lockwasher, 1/4 Split	3

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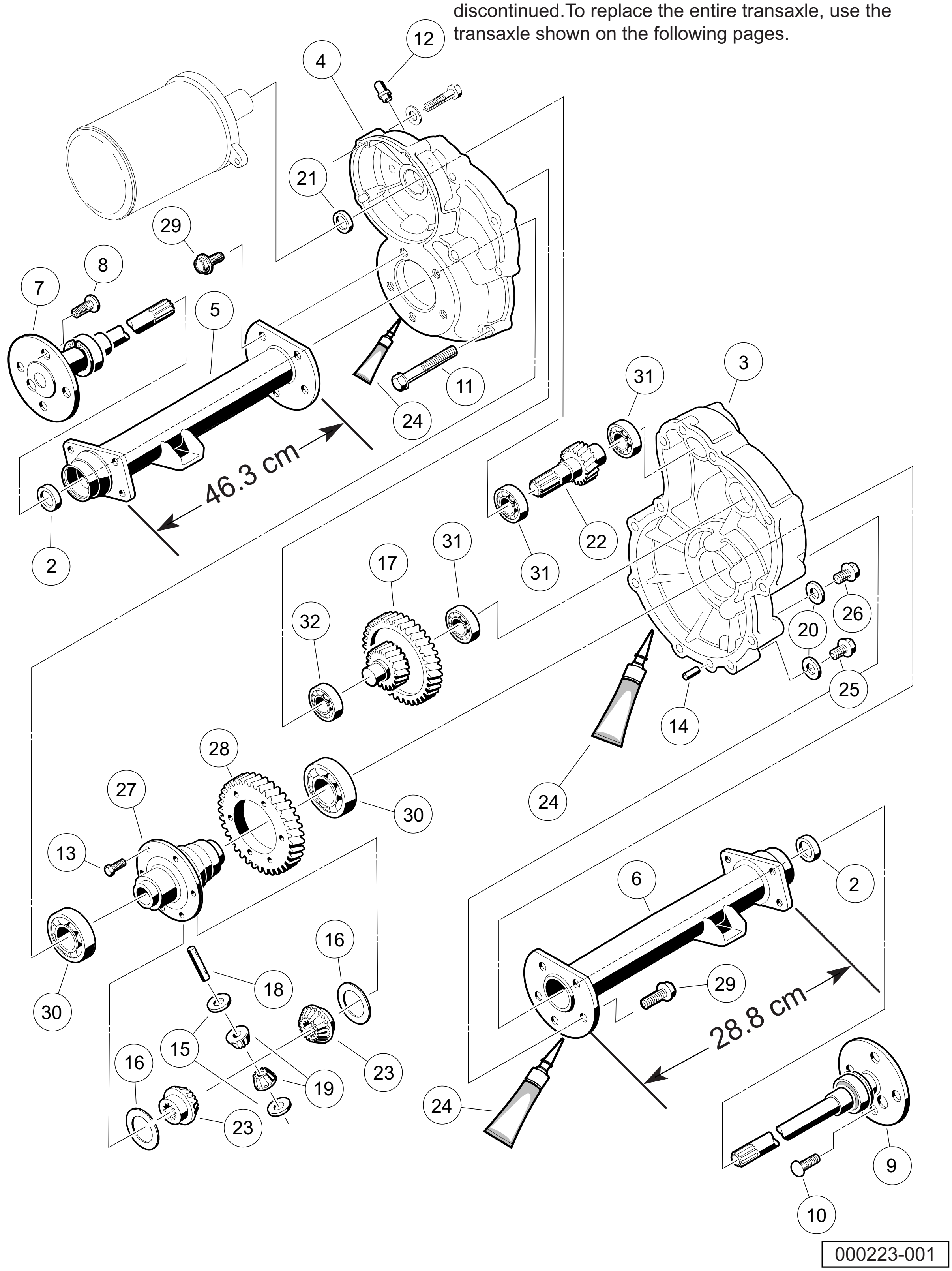
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TRANSAXLE – ELECTRIC VEHICLES

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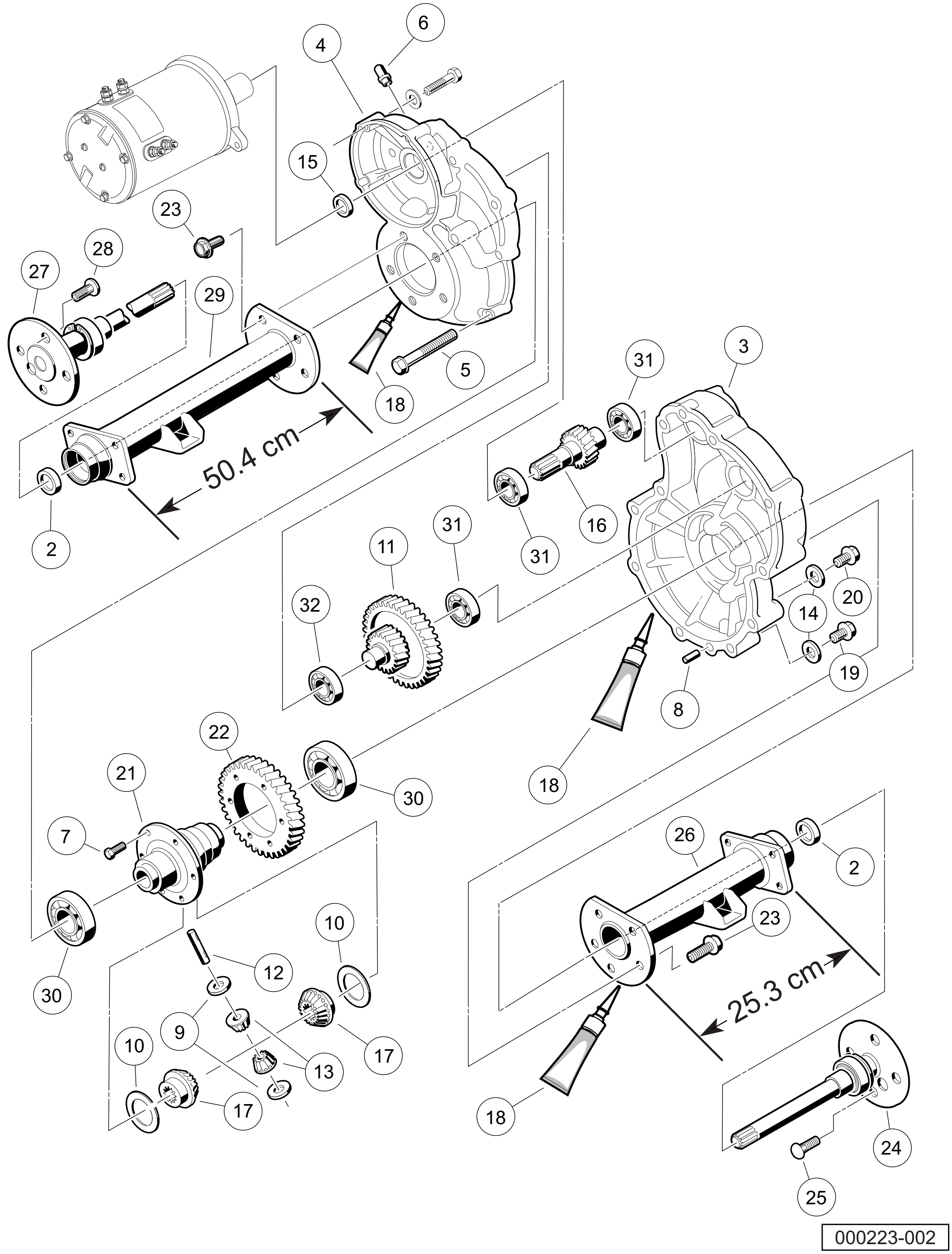
Note: This transaxle (as a complete unit) has been discontinued.To replace the entire transaxle, use the transaxle shown on the following pages.



TRANSAXLE – ELECTRIC VEHICLE (EARLIER VERSION)

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	101896001	Transaxle -12.3 (includes items 2 through 32)	1
2	1013794	Axle Shaft Oil Seal	2
3	101895401	Gear Case, Left-Hand	1
4	101895501	Gear Case, Passenger-Side	1
5	101895601	Tube, Axle, Passenger-Side	1
6	101895701	Tube, Axle, Driver-Side	1
7	101895801	Axle Assembly, Passenger-Side (includes item 8)	1
8	101922201	Lug Stud	4
9	101895901	Axle Assembly, Driver-Side (includes item 10)	1
10	101922201	Lug Stud	4
11	101897001	Screw, M8-1.25 X 60mm Hex-Head	11
12	101897201	Breather	1
13	101897401	Screw, M10-1.25 X 25mm	6
14	101897601	Pin, 11mm OD X 8.5mm ID X 10mm	2
15	101903601	Washer, Thrust	2
16	101903701	Washer, Thrust	2
17	101906901	Intermediate Shaft Assembly	1
18	101922101	Pin, 15.99mm X 88.7mm Dowel	1
19	101923001	Gear, Differential Idler	2
20	101923201	Gasket	2
21	101923501	Seal, Lip	1
22	101923701	Shaft, Input	1
23	101923901	Gear, Differential	2
24	101928701	Liquid Gasket (Transaxle case)	A/R
25	101972101	Plug, M14-1.5 X 12mm Magnetic	1
26	101972201	Plug, M14-1.5 X 12mm Hex	1
27	102356601	Housing, Differential, 6 Bolt	1
28	102356801	Gear, Differential Output, 6-Bolt	1
29	102357001	Screw, Flg Hd M10 X 1.5 X 30	10
30	7330	Inner Axle Tube Bearing	2
31	7335	Bearing	3
32	7336	Bearing	1

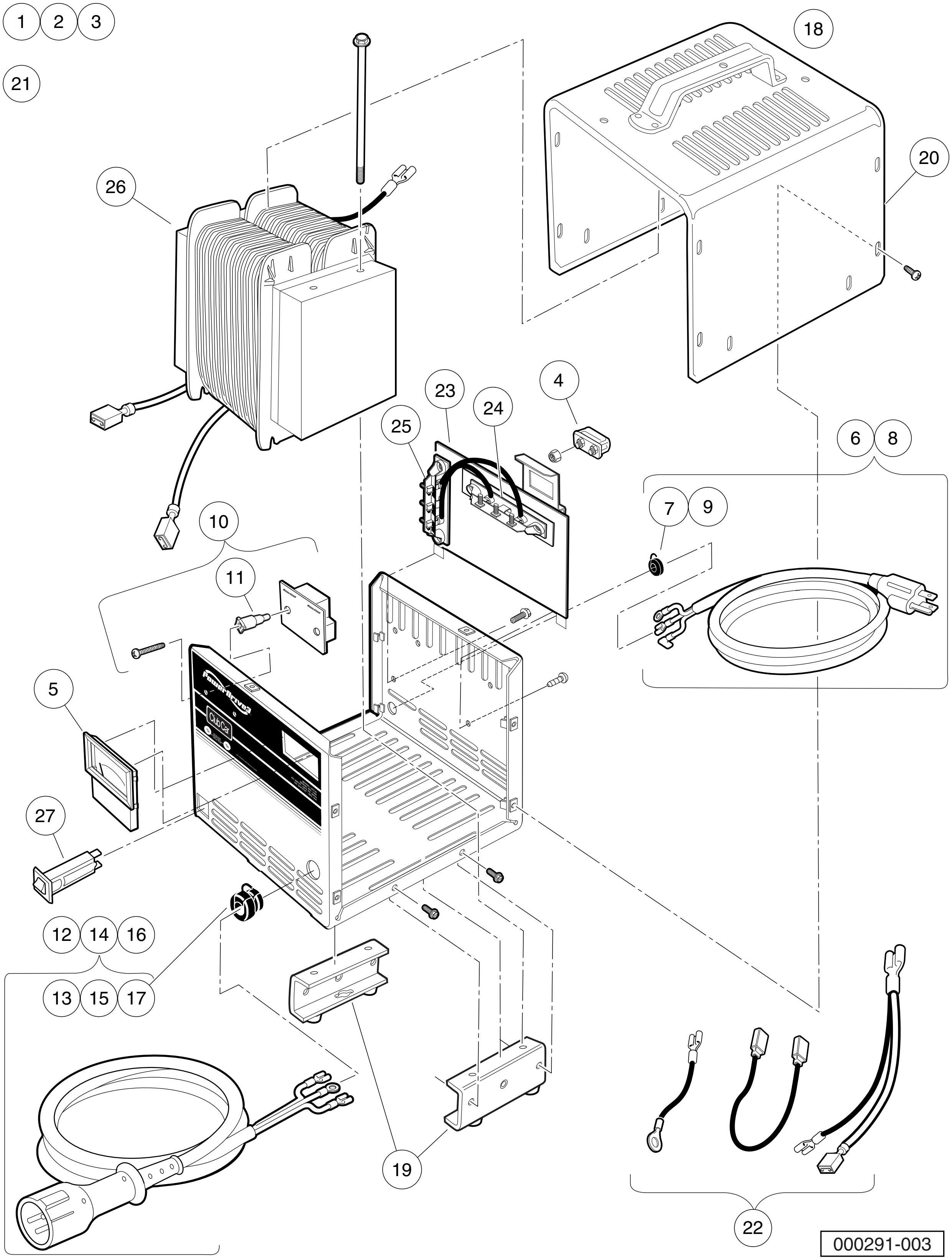
Note: If either the Differential Output Gear (item 28) or the Differential Housing (item 27) require replacement, both must be purchased at the same time. Items 27 and 28 are replacements for all gear and differential housing combinations in this transaxle.


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TRANSAXLE – ELECTRIC VEHICLE (LATER VERSION)

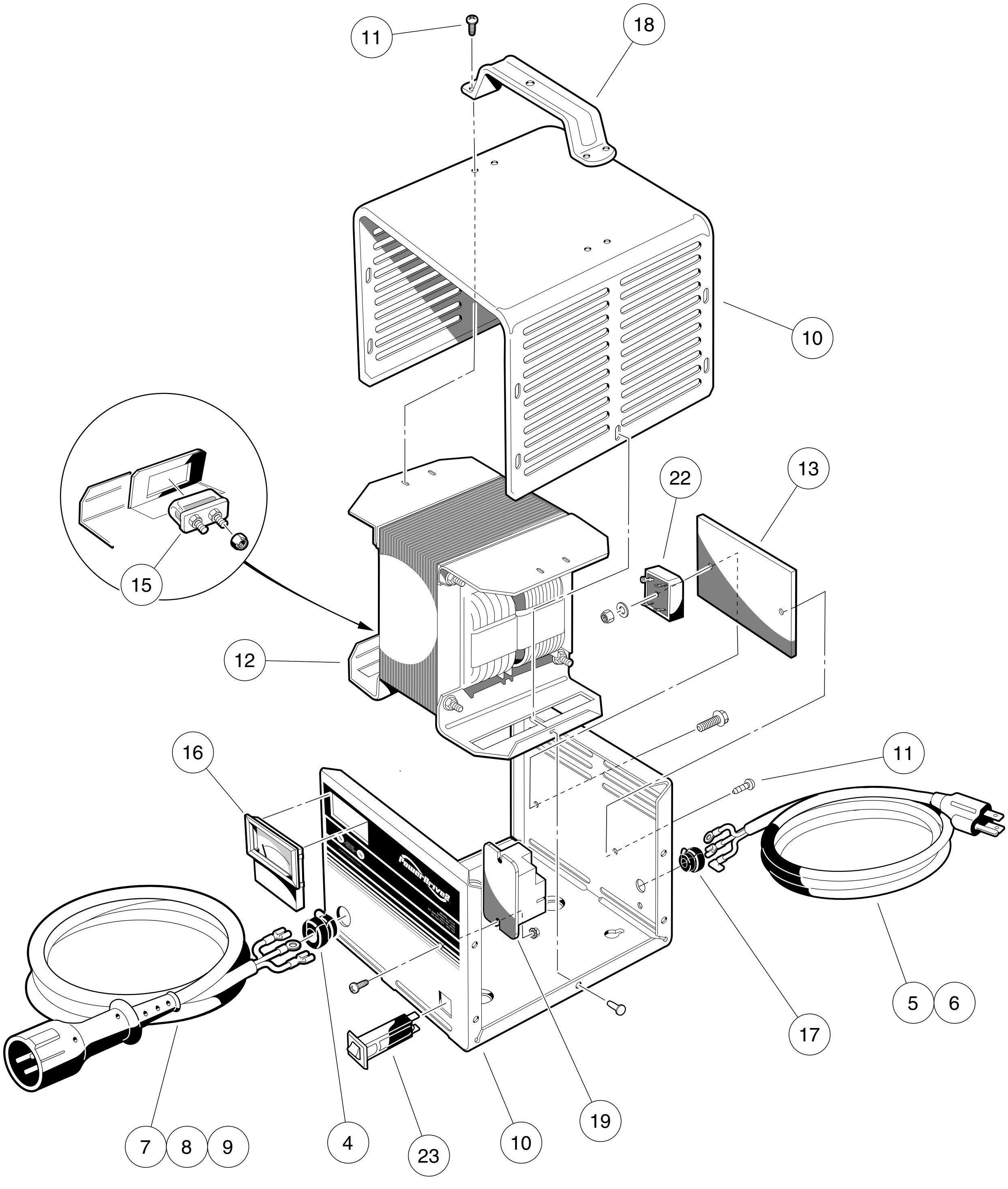
ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	102771701	Transaxle, Electric (includes items 2 through 32)	1
2	1013794	Axle Shaft Oil Seal	2
3	101895401	Gear Case, Left-Hand	1
4	101895501	Gear Case, Passenger-Side	1
5	101897001	Screw, M8-1.25 X 60mm Hex-Head	11
6	101897201	Breather	1
7	101897401	Screw, M10-1.25 X 25mm	6
8	101897601	Pin, 11mm OD X 8.5mm ID X 10mm	2
9	101903601	Washer, Thrust	2
10	101903701	Washer, Thrust	2
11	101906901	Intermediate Shaft Assembly	1
12	101922101	Pin, 15.99mm X 88.7mm Dowel	1
13	101923001	Gear, Differential Idler	2
14	101923201	Gasket	2
15	101923501	Seal, Lip	1
16	101923701	Shaft, Input	1
17	101923901	Gear, Differential	2
18	101928701	Liquid Gasket (Transaxle case)	A/R
19	101972101	Plug, M14-1.5 X 12mm Magnetic	1
20	101972201	Plug, M14-1.5 X 12mm Hex	1
21	102356601	Housing, Differential, 6 Bolt	1
22	102356801	Gear, Differential Output, 6-Bolt	1
23	102357001	Screw, Flg Hd M10 X 1.5 X 30	10
24	102886301	Axle Assembly, Driver-Side (includes item 25)	1
25	101922201	Lug Stud	4
26	102886401	Tube, Axle, Driver-Side	1
27	102886501	Axle Assembly, Passenger-Side (includes item 28)	1
28	101922201	Lug Stud	4
29	102886601	Tube, Axle, Passenger-Side	1
30	7330	Inner Axle Tube Bearing	2
31	7335	Bearing	3
32	7336	Bearing	1

BATTERY CHARGER


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POWERDRIVE 3 BATTERY CHARGER, DOMESTIC

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	103717001	Chgr, Pd3 Stnry, 9Dc6'Ac'	1
2	103717002	Chgr, Pd3 Stnry, 12Dc9'Ac'	1
3	103717003	Chgr, Pd3 Stnry, 20Dc9'Ac'(includes items 4 through 27)	1
4	102273701	PD2 Fuse Asm	1
5	102273801	PD2 Ammeter	1
6	103428501	Kit, PD3 Cordset - AC 80" (includes item 7)	1
7	102273901	PD2 AC Cord Bushing	1
8	103428601	Kit, PD3 Cordset, - AC 114" (includes item 9)	1
9	102273901	PD2 AC Cord Bushing	1
10	103428701	Asm, PD3 Board Relay (includes item 11)	1
11	103429701	PD3 Plastic Stand-Offs	2
12	103429001	PD3 Cordset - DC 113" (includes item 13)	1
13	1012098	Bushing, DC Cord	1
14	103429101	PD3 Cordset - DC 154" (includes item 15)	1
15	1012098	Bushing, DC Cord	1
16	103429201	PD3 Cordset - DC 205" (includes item 17)	1
17	1012098	Bushing, DC Cord	1
18	103429301	Asm, PD3 Case (includes items 19 and 20)	1
19	103434001	Asm, PD3 Legs	1
20	103439901	PD3Case Top (Includes Handle)	1
21	103429501	Kit, PD3 Hardware	1
22	103429601	Kit, PD3 Wires	1
23	103517401	Kit Pd3 Button Diode (includes items 24 and 25)	1
24	N/A	Asm Diode Top	1
25	N/A	Asm Diode Side	1
26	103779601	Transformer, Pd3, Al	1
27	CCX8506	Circuit Breaker, 15-Amp/120-Volt	1

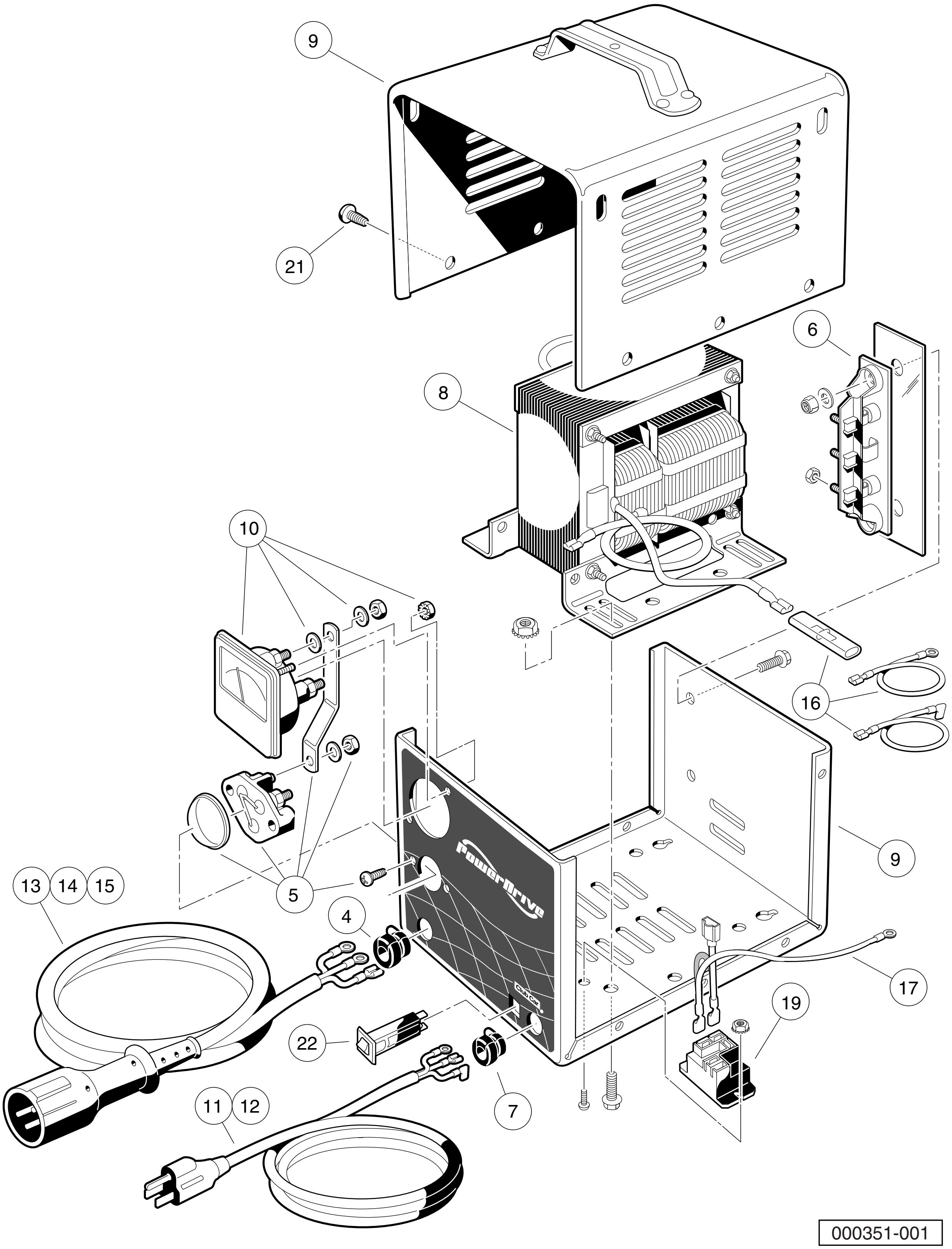


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POWERDRIVE 2 BATTERY CHARGER (MODEL 22110), DOMESTIC

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	N/A	48-V/13-A PowerDrive 2 (9-ft. DC, 6-ft. AC)	1
2	N/A	48-V/13-A PowerDrive 2 (12-ft. DC, 9-ft. AC)	1
3	N/A	48-V/13-A PowerDrive 2 (20-ft. DC, 9-ft. AC) (includes items 4 through 23)	1
4	1012098	Bushing, DC Cord	1
5	101828801	Cord, AC, 80-Inch (203 cm)	1
6	101828802	Cord, AC, 108-Inch (274 cm)	1
7	101828904	PD2 DC Cordset, 113-inch	1
8	101828905	PD2 DC Cordset, 154-inch	1
9	101828906	Pd2 Dc Cordset 250 Inch	1
10	102273201	PD2 Case (includes item 11)	1
11	7577	Screw, #10 X 0.50 Phillips Pan-Head	12
12	102273301	PD2 Transformer Asm	1
13	102273401	PD2 Heatsink	1
14	102273601	PD2 Wire Asm	1
15	102273701	PD2 Fuse Asm	1
16	102273801	PD2 Ammeter	1
17	102273901	PD2 AC Cord Bushing	1
18	102274001	PD2 Handle	1
19	103414901	Kit, Relay, 48v 30a W/instr (includes items 20 and 21)	1
20	103397901	Relay, Spst No, 48v 30a, Pmt	1
21	N/A	Kit, Relay, 48v 30a Instrns	1
22	103517601	Pd2 Rectifier Kit	1
23	CCX8506	Circuit Breaker, 15-Amp/120-Volt	1

Note: Item 16 not shown. Level 1 Battery Charger part numbers include one AC and one DC cord. They do not include all of the level 2 cords listed.

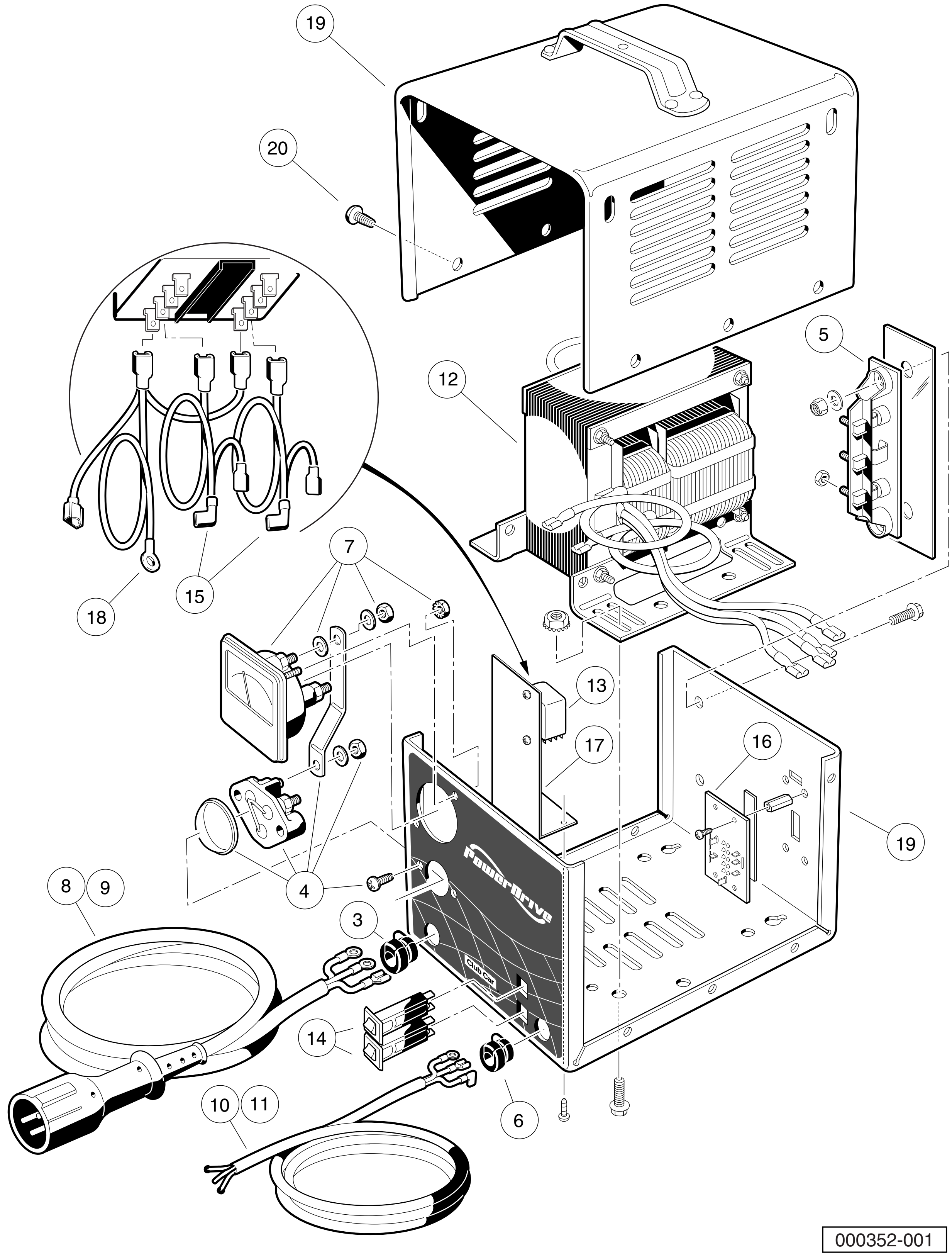

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POWERDRIVE BATTERY CHARGER (MODEL 17930), DOMESTIC

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	101802201	48V/17A PowerDrive (9-ft DC, 6-ft AC Cord)	1
2	101802202	48V/17A PowerDrive (12-ft DC, 9-ft AC Cord)	1
3	101802203	48V/17A PowerDrive (20-ft DC, 9-ft AC Cord) (includes items 4 through 22)	1
4	1012098	Bushing, DC Cord	1
5	1012101	Fuse Assembly	1
6	1015914	Rectifier with Heatsink Assembly	1
7	1015917	Bushing, AC Cord	1
8	****	Transformer, Battery Charger	1
9	101828301	Case Assembly	1
10	101828501	Ammeter	1
11	101828801	Cord, AC, 80-Inch (203 cm)	1
12	101828802	Cord, AC, 108-Inch (274 cm)	1
13	101828901	Cord, DC, 113-Inch (287 cm)	1
14	101828902	Cord, DC, 154-Inch (391 cm)	1
15	101828903	Cord, DC, 250-Inch (635 cm)	1
16	101831101	Wire Assembly Kit	1
17	101914401	Assembly, Voltage Suppressor	1
18	103414901	Kit, Relay, 48v 30a W/instr (includes items 19 and 20)	1
19	103397901	Relay, Spst No, 48v 30a, Pmt	1
20	N/A	Kit, Relay, 48v 30a Instrns	1
21	7577	Screw, #10 X 0.50 Phillips Pan-Head	10
22	CCX8506	Circuit Breaker, 15-Amp/120-Volt	1

**** Special order item available upon request.

Note: Level 1 Battery Charger part numbers include one AC and one DC cord. They do not include all of the level 2 cords listed.

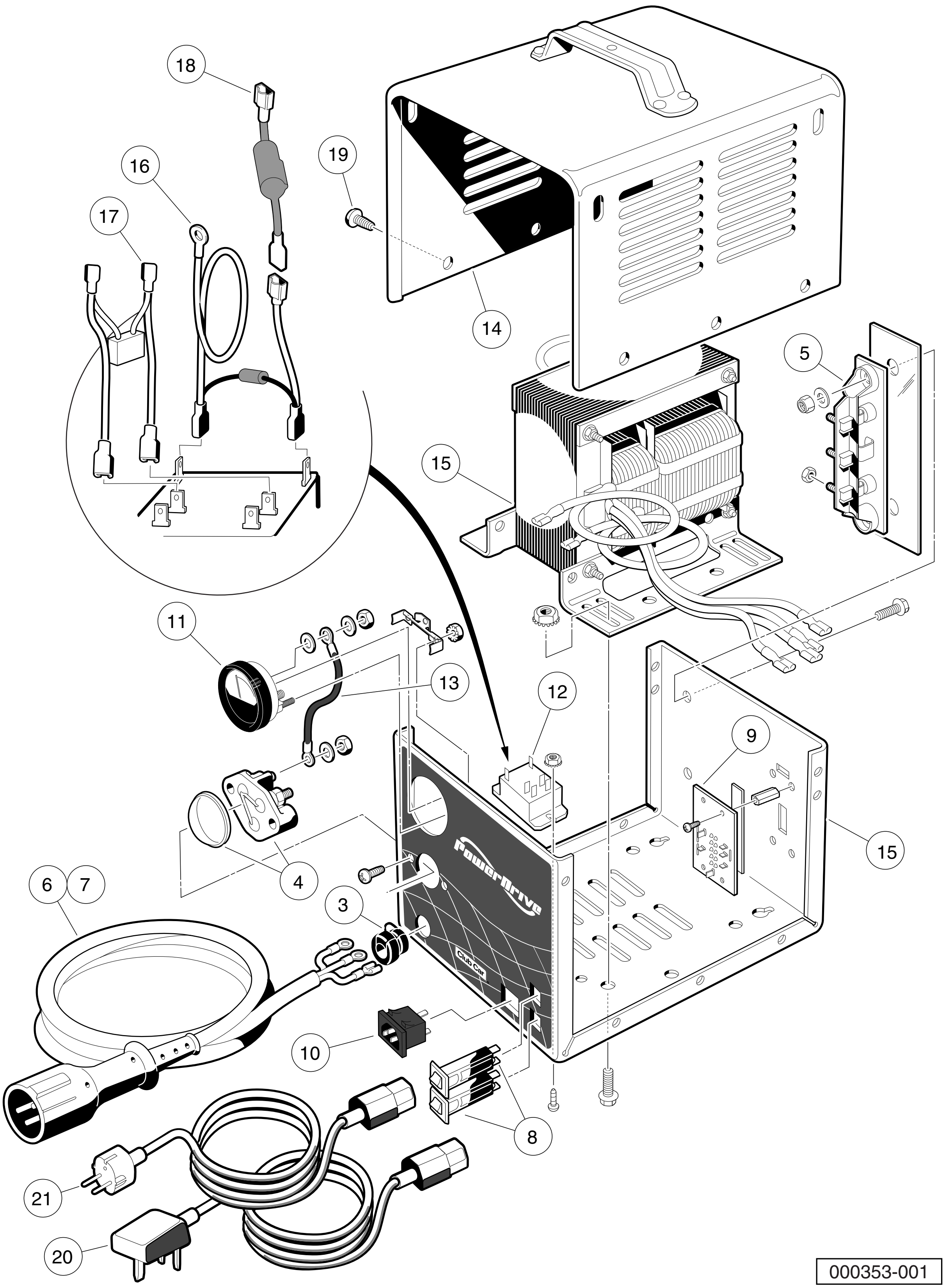

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POWERDRIVE BATTERY CHARGER (MODEL 18780), EXPORT

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	101831503	Battery Charger, 48-Volt DC (8.5-ft DC, 6-ft AC)	1
2	101831504	Battery Charger, 48-Volt DC (12-ft DC, 9-ft AC) (includes items 3 through 20)	1
3	1012098	Bushing, DC Cord	1
4	1012101	Fuse Assembly	1
5	1015914	Rectifier with Heatsink Assembly	1
6	1015917	Bushing, AC Cord	1
7	101828501	Ammeter	1
8	101828901	Cord, DC, 113-Inch (287 cm)	1
9	101828902	Cord, DC, 154-Inch (391 cm)	1
10	101831701	Cord, AC, 80-Inch (203 cm), without Plug	1
11	****	Cord, AC, 118-Inch (203 cm), without Plug	1
12	101838201	Transformer, Export Battery Charger	1
13	101838301	Relay, Export Charger	1
14	101838401	Circuit Breaker	2
15	101838501	Kit, Wire Assembly	1
16	101838601	Four-Position Switch	1
17	****	Mounting Bracket, Relay	1
18	101914401	Assembly, Voltage Suppressor	1
19	N/A	Case, Charger	1
20	7577	Screw, #10 X 0.50 Phillips Pan-Head	10

**** Special order item available upon request.

Note: Level 1 Battery Charger part numbers include one AC and one DC cord.
They do not include all of the level 2 cords listed.


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POWERDRIVE BATTERY CHARGER (MODEL 20310), EUROPEAN

ITEM	PART NO.	DESCRIPTION	QTY
		1 2 3 4	
1	101956201	Battery Charger, 48-Volt w/ 4-Position Switch (8.5-ft DC)	1
2	101956202	Battery Charger, 48-Volt w/ 4-Pos. Switch (12-ft DC) (includes items 3 through 19)	1
3	1012098	Bushing, DC Cord	1
4	1012101	Fuse Assembly	1
5	1015914	Rectifier with Heatsink Assembly	1
6	101828901	Cord, DC, 113-Inch (287 cm)	1
7	101828902	Cord, DC, 154-Inch (391 cm)	1
8	101838401	Circuit Breaker	2
9	101838601	Four-Position Switch	1
10	101973501	Receptacle, AC Cord	1
11	101976601	Ammeter with Mounting Bracket	1
12	101987501	Relay	1
13	N/A	Wire, Jumper	1
14	N/A	Case, Charger	1
15	****	Transformer, European Battery Charger	1
16	****	Suppressor, AC Voltage	1
17	****	Assembly, Wire	1
18	****	Limiter, Current	1
19	7577	Screw, #10 X 0.50 Phillips Pan-Head	10
20	101958201	Cord, UK, AC, Battery Charger	1
21	101958301	Cord, European AC, Battery Charger	1

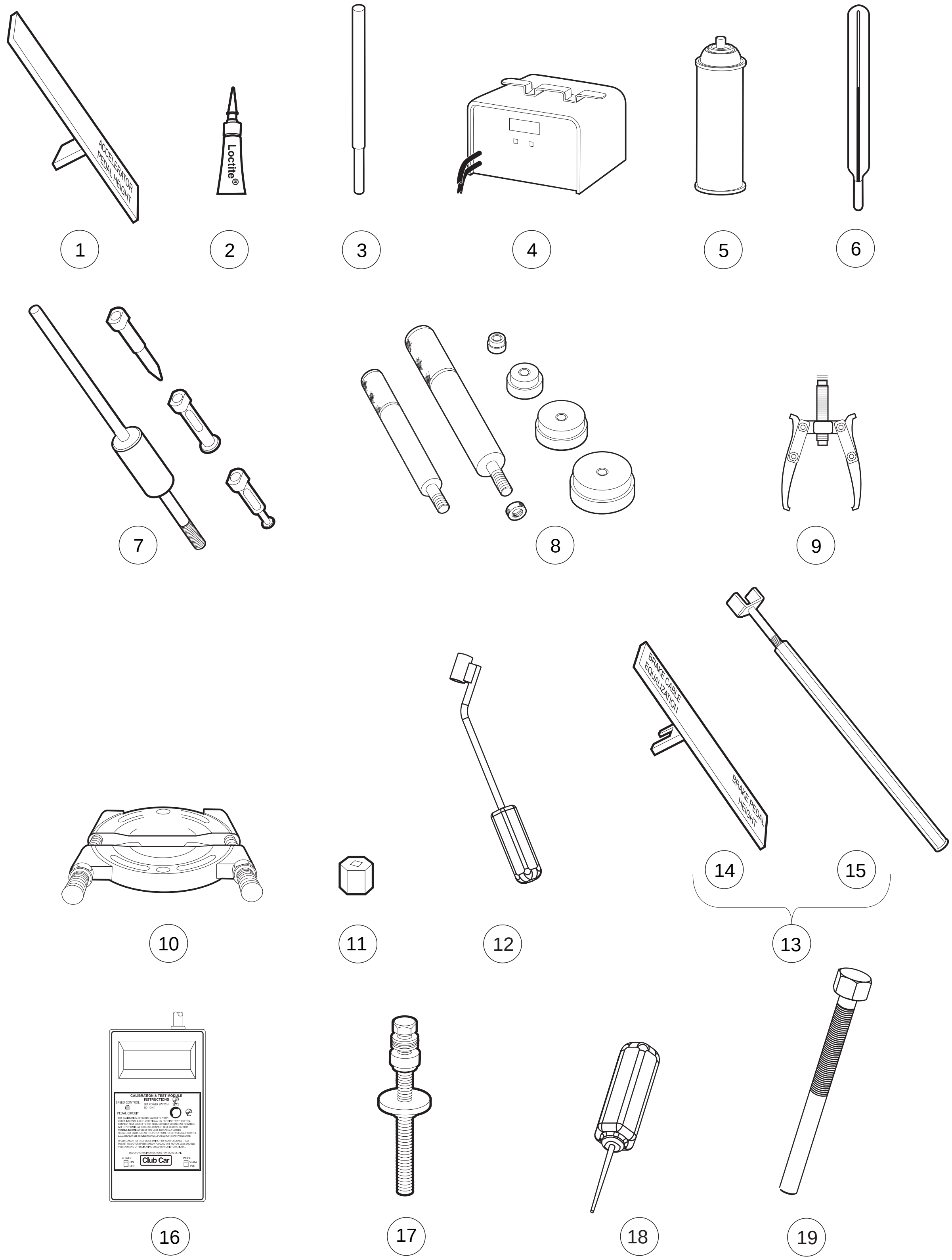
**** Special order item available upon request.

Note: Level 1 Battery Charger part numbers include one AC and one DC cord. They do not include all of the level 2 cords listed.

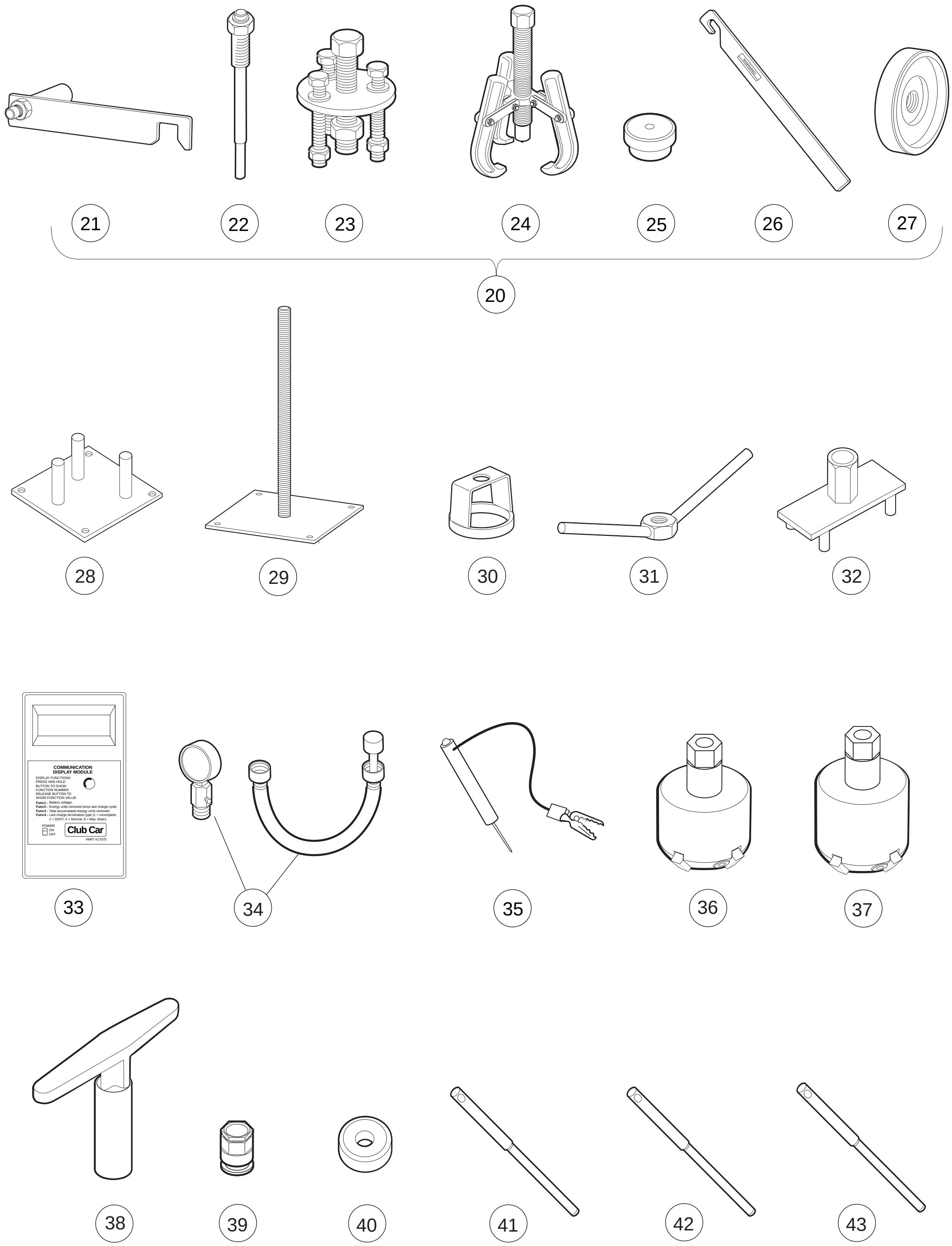
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E

MAINTENANCE AND SERVICE TOOLS


ACCELERATOR PEDAL HEIGHT
Loctite®
BRAKE CABLE EQUALIZATION
BRAKE PEDAL HEIGHT
CALIBRATION & TEST MODULE INSTRUCTIONS
Club Car
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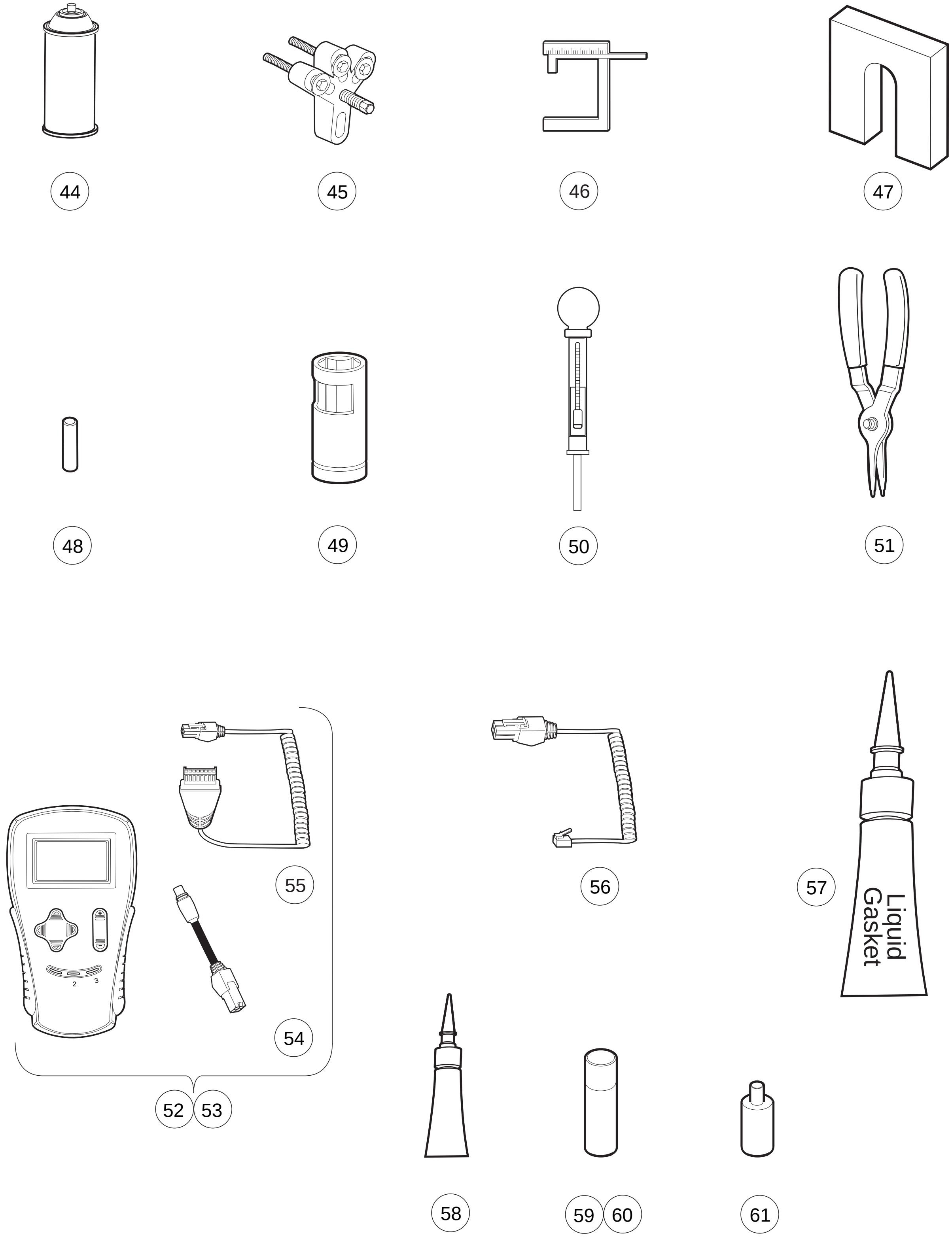
ITEM	PART NO.	DESCRIPTION	QTY DIESEL	QTY GAS	QTY ELEC
		1 2 3 4 The following tool list includes all tools available from Club Car for maintenance and service procedures for gasoline, electric, and/or diesel vehicles, both past and present models. Be sure to carefully examine the tool list for applicability to your vehicle before ordering.			
1	101871001	Accelerator Pedal Adjustment Tool		1	1
2	101813202	Adhesive, Guide Ring, 3-Gram Tube			1
3	101641202	Arbor		1	
4	101831901	Battery Discharge Machine, 36/48 Volt			1
5	1014305	Battery Terminal Protector Spray	1	1	1
6	1011767	Battery Thermometer	1	1	1
7	1016417	Bearing and Oil Seal Remover Assembly	1	1	1
8	1016416	Bearing Driver Set	1	1	1
9	1012811	Bearing Puller	1	1	1
10	1012812	Bearing Puller Wedge Attachment	1	1	1
11	1013582	Brake Adjustment Tool (used only on vehicles with manually adjusted mechanical brakes)		1	1
12	102555501	Brake Cable Release Tool	1	1	1
13	102249901	Brake Pedal Adjustment Tool Kit (used for the Carryall Electric Industrial Truck only) (includes items 14 and 15)			1
14	****	Brake Pedal Adjustment Tool			1
15	****	Brake Pedal Tension Tool			1
16	101887101	Calibration Test Module			1
17	101808401	Cam Installation Tool		1	
18	102562401	Charger Bezel Tool			1
19	102686101	Clutch Removal Tool (for 4x4 vehicles)	1	1	
		Please refer to the maintenance and service manual for proper tool application.			
	****	Special order item available upon request			


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Club Car
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MAINTENANCE AND SERVICE TOOLS, CONTINUED

ITEM	PART NO.	DESCRIPTION	QTY DIESEL	QTY GAS	QTY ELEC
		1 2 3 4			
20	1014510	Clutch Tool Kit (includes items 21 - 27)		1	
21	1014498	Clutch Alignment Tool (for pre-unitized transaxle vehicles built prior to 1997 model year)		1	
22	1014496	Drive Clutch Puller (for Kawasaki engines only)		1	
23	1014497	Drive Clutch Hub Puller (for Kawasaki engines only)		1	
24	1014508	Driven Clutch Cam Puller (for Kawasaki engines only)		1	
25	1014507	Driven Clutch Puller Plug (for Kawasaki engines only)		1	
26	1015524	Drive Clutch Holder Tool Assembly (for Kawasaki engines only)		1	
27	101809101	Press Weldment (for Kawasaki engines only)		1	
28	102601501	Drive ClutchFixed Sheave Tool (for 4x4 vehicles)	1	1	
29	102603501	Driven Clutch Spring Compression Base (for use with items 30 and 31) (for 4x4 vehicles)	1	1	
30	102605201	Driven Clutch Spring Compression Collar (for use with items 29 and 31) (for 4x4 vehicles)	1	1	
31	102606101	Driven Clutch Spring Compression Nut (for use with items 29 and 30) (for 4x4 vehicles)	1	1	
32	102607501	Drive Clutch Spider Removal Tool (for 4x4 vehicles)	1	1	
33	101831801	Communication Display Module			1
34	101641002	Compression Gauge and Adapter		1	
35	1011273	Continuity Tester		1	1
36	102773801	Cutter, Valve Seat, #122		1	
37	102773901	Cutter, Valve Seat #115		1	
38	102774101	Wrench, T, #505		1	
39	102774101	Adapter, T-Wrench		1	
40	102675401	Cutter, Valve Seat, 60 Degree (requires item 51) (for Honda GX620 Gasoline Engines)		1	
41	102774201	Pilot, 6.6 MM		1	
42	102774301	Pilot, 6.62 MM		1	
43	102774401	Pilot, 6.65 MM		1	

Please refer to the maintenance and service manual for proper tool application.

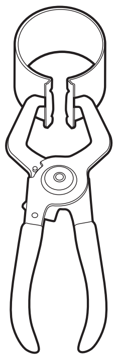

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Liquid Gasket
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MAINTENANCE AND SERVICE TOOLS, CONTINUED

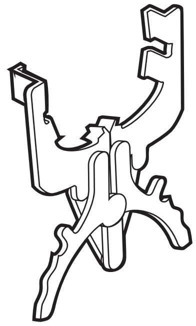
ITEM	PART NO.	DESCRIPTION	QTY DIESEL	QTY GAS	QTY ELEC
		1 2 3 4			
44	1012151	Dry Moly Lubricant	1	1	1
45	1016627	Flywheel Puller Kit (for Kawasaki Engines)		1	
46	102669901	Gauge, Carburetor Float Level (for Honda GX620 Gasoline Engines)		1	
47	1016418	Gear Yoke	1	1	1
48	101933101	Governor Shaft Installation Tool (for Kawasaki Engine Vehicles)		1	
49	102169401	Hydraulic Brake Adjuster (for Turf/CA 272/472, Pioneer/XRT 1200, Bobcat 2100, HUV 4213)			1
50	1011478	Hydrometer	1	1	1
51	1013593	Internal Retaining Ring Pliers	1	1	1
52	102248803	IQ Display Module (IQDM) Kit (IQ System and IQ Plus vehicles) (includes items 54 and 55)			1
53	102248804	IQ Display Module (IQDM-P) Kit (IQ System and IQ Plus vehicles) (includes items 54 and 55)			1
54	102251501	Adaptor, Cable			1
55	102241502	IQDM Series 2 Cable			1
56	102241501	IQDM Series 1 Cable (replacement)			1
57	101928701	Liquid Gasket (transaxle case)	1	1	1
58	102243402	Moly-Teflon Lubricant (4-oz. (113-gram) tube)			1
59	101997201	Paint, Touch-Up – Beige*		1	1
59	101997207	Paint, Touch-Up – Black*		1	1
59	101997212	Paint, Touch-Up – Burgundy*		1	1
59	101997211	Paint, Touch-Up – Classic Blue (Navy)*		1	1
59	101997205	Paint, Touch-Up – Dark Gray*	1	1	1
59	101997209	Paint, Touch-Up – Dark Green*	1	1	1
59	101997204	Paint, Touch-Up – Gray*	1	1	1
59	101997203	Paint, Touch-Up – Red*	1	1	1
59	101997206	Paint, Touch-Up – Royal Blue (Pacific Blue)*		1	1
59	101997202	Paint, Touch-Up – White*	1	1	1
60	102562301	Paint, Precedent Underbody – Gray		1	1
61	102587201	Paint Pen, Touch-Up, Precedent Underbody – Black		1	1

Please refer to the maintenance and service manual for proper tool application.

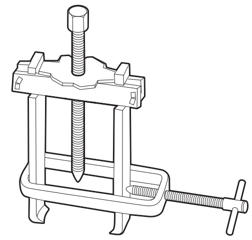
* Item 59 is not for use on Surlyn® body material, which is used on Precedent vehicles.



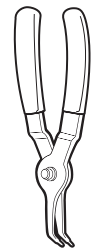
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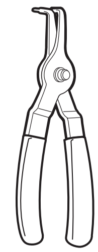
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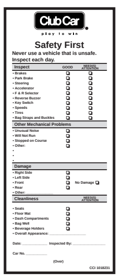
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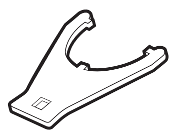
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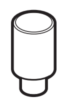
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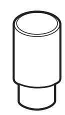
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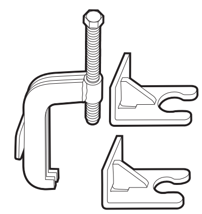
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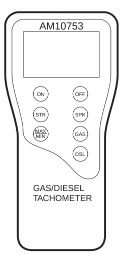
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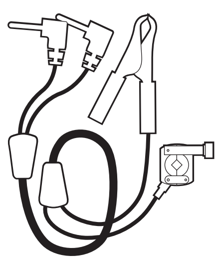
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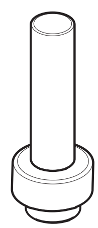
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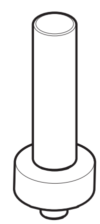
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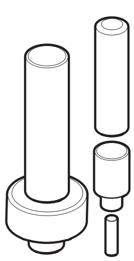
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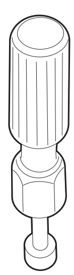
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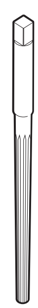
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